

CAUSE NO. _____

**LOYD D. JOHNSON FAMILY LIMITED
PARTNERSHIP NO. 1, AND LDJ
OPERATIONS, LLC****Plaintiffs,****V.****NORTH TEXAS MUNICIPAL WATER
DISTRICT, AND PHILLIPS AND JORDAN,
INC.,****Defendants.**§
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§**IN THE DISTRICT COURT****FANNIN COUNTY, TEXAS****336TH JUDICIAL DISTRICT****PLAINTIFFS' ORIGINAL PETITION**

TO THE HONORABLE JUDGE OF SAID COURT:

COME NOW, Loyd D. Johnson Family Limited Partnership No. 1 and LDJ Operations, LLC ("Plaintiffs") and file this their Original Petition, complaining of (1) North Texas Municipal Water District and (2) Phillips and Jordan, Inc. ("Defendants"), and for cause would respectfully show the Court as follows:

I.
DISCOVERY CONTROL PLAN

In accordance with the requirements of Rule 190.1 of the Texas Rules of Civil Procedure, Plaintiffs intend that discovery be conducted under Level 3 as provided by Rule 190.4.

Pursuant to Rule 47 of the Texas Rules of Civil Procedure, Plaintiffs state that they are seeking monetary relief over \$1,000,000.00 and that the damages sought are within the jurisdictional limits of the court.

II. PARTIES

A. PLAINTIFFS: Plaintiff Loyd D. Johnson Family Limited Partnership No. 1 is a Texas limited partnership organized in and under the laws of the State of Texas. It owns the land which comprises the LoJo Ranch. Plaintiff LDJ Operations, LLC is the general partner of Plaintiff Loyd D. Johnson Family Limited Partnership No. 1, is an LLC organized under the laws of the State of Texas and does business in Texas under the business name “LoJo Ranch.” Plaintiff LDJ operates the farm and ranching operations of LoJo Ranch. LoJo Ranch is located in northeast Fannin County, Texas in a location that is depicted below. Although not parties to the case, Loyd Johnson and Chris Johnson are real estate agents in Fannin County, and they are the principals in charge of the operation of the general partner. Loyd Johnson is Chris Johnson’s father.

B. DEFENDANTS:

Defendant North Texas Municipal Water District (hereinafter “NTMWD”) purports to be a governmental agency, organized and existing by virtue of Article XVI, Section 59 of the Texas Constitution, and Article 8280-141 of the Revised Civil Statutes of the State of Texas. Defendant NTMWD may be served with process through its Executive Director/General Manager Tom Kula, Administration Building, 501 East Brown Street, Wylie, Texas 75098 and/or through its counsel, Lewis Isaacks, SAUNDERS, WALSH & BEARD, 6850 TPC Drive, Suite 210, McKinney, Texas 75070.

Defendant Phillips and Jordan, Inc. (hereinafter “P&J”) is a Tennessee corporation doing business in the State of Texas. P&J is the contractor constructing the Bois D’ Arc Reservoir in Fannin County. P&J’s registered agent is CT Corporation System who may be served with process at 1999 Bryan Street, Suite 900, Dallas, Texas 75201-3136.

III.

JURISDICTION AND VENUE

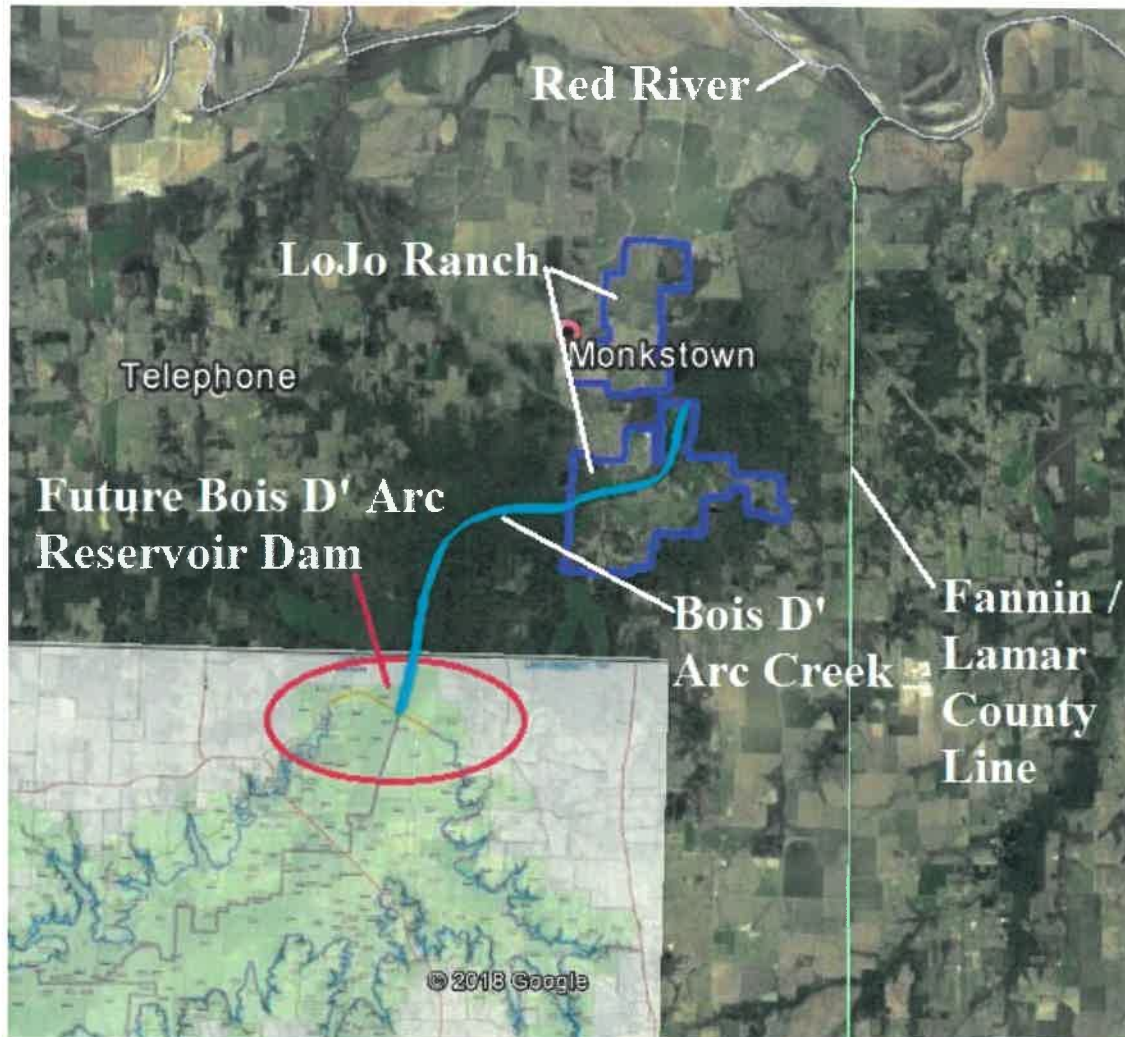
The District Court has jurisdiction over the subject matter and persons of this action because the events giving rise to the action took place in Texas, the amount in controversy exceeds the minimum jurisdiction of the District Courts, Plaintiffs and Defendant P&J are residents of Texas or are business entities conducting business in the State of Texas, and any immunity claimed by Defendant NTMWD is waived as to Plaintiffs' inverse condemnation claims under Texas Constitution Article 1, §17. Alternatively, as to Defendant NTMWD, and to the extent Defendant NTMWD's actions are deemed not to constitute an inverse taking, pursuant to TEX. CIV. PRAC. & REM. CODE §101.021, NTMWD is liable for the actions of its contractor, Defendant P&J, over whose tasks NTMWD had the legal right to control.

The District Court of Fannin County has venue over this action because "all or a substantial part of the events or omissions giving rise to the claim occurred" in Fannin County. TEX. CIV. PRAC. & REM. CODE § 15.002(a)(1).

IV.

FACTS

Plaintiffs are the owners of the property in Fannin County, Texas known as and doing business as LoJo Ranch, at the location shown in the image below, a few miles northeast of the proposed Bois D' Arc Reservoir.



NTMWD is the entity responsible for the development, design, construction, and operation of the Bois D' Arc Creek Reservoir project, including the construction project undertaken by NTMWD's contractor, P&J, near and upstream of Plaintiffs' property. The proximity of the new lake to the LoJo Ranch is seen above. The future permanent dam of the reservoir is 3.25 miles southwest of the southwest corner of LoJo Ranch and is approximately five miles upstream of LoJo Ranch following the meanders of the Bois D' Arc Creek and floodplain.

The U.S. Army Corps of Engineers (USACE) issued its Record of Decision (ROD) granting NTMWD a Clean Water Act section 404 permit to allow construction of the dam for the

long-awaited Bois D' Arc Creek Reservoir near Bonham, Texas on February 2, 2018. Construction of the reservoir began on or about June 1, 2018. A major part of the construction is the clear cutting of all timber in a large portion of the footprint of the reservoir and land clearing. During the first year of construction on the lake site, by May 31, 2019, NTMWD and its contractor had cleared 4,600 acres of trees and land and placed 530,000 cubic yards of fill dirt material on the site.

The construction of the project involved massive amounts of dirt work, clear cutting trees and bushes, digging up grass and terrain, creating many huge brush and tree piles that were burned, and disturbing soils that have never been disturbed by man. These conditions were susceptible to flooding for many reasons, including that the previous natural erosion control (grasses, trees, bushes) that had been in place in the area for thousands of years was removed and/or disturbed as part of the project.

During the intense dirt work and construction at the lake site, fall rains kicked off in the area near the project site. At a nearby NOAA weather station in Honey Grove, Texas, the monthly rainfall totals for the time period after NTMWD started construction (June 2018 – July 2019) were as follows:

June 2018	0.69 inches
July 2018	1.34 inches
August 2018	3.40 inches
September 2018	14.38 inches
October 2018	10.77 inches
November 2018	1.61 inches
December 2018	6.82 inches
January 2019	2.24 inches
February 2019	2.82 inches
March 2019	2.85 inches
April 2019	6.35 inches
May 2019	9.74 inches
June 2019	8.07 inches
July 2019	0.40 inches

Attached as **Exhibit A** are true and correct copies of the NOAA Record of Climatological Observations, Honey Grove, Texas Station showing the daily/monthly rainfall totals for the referenced period.¹

Damaging Events

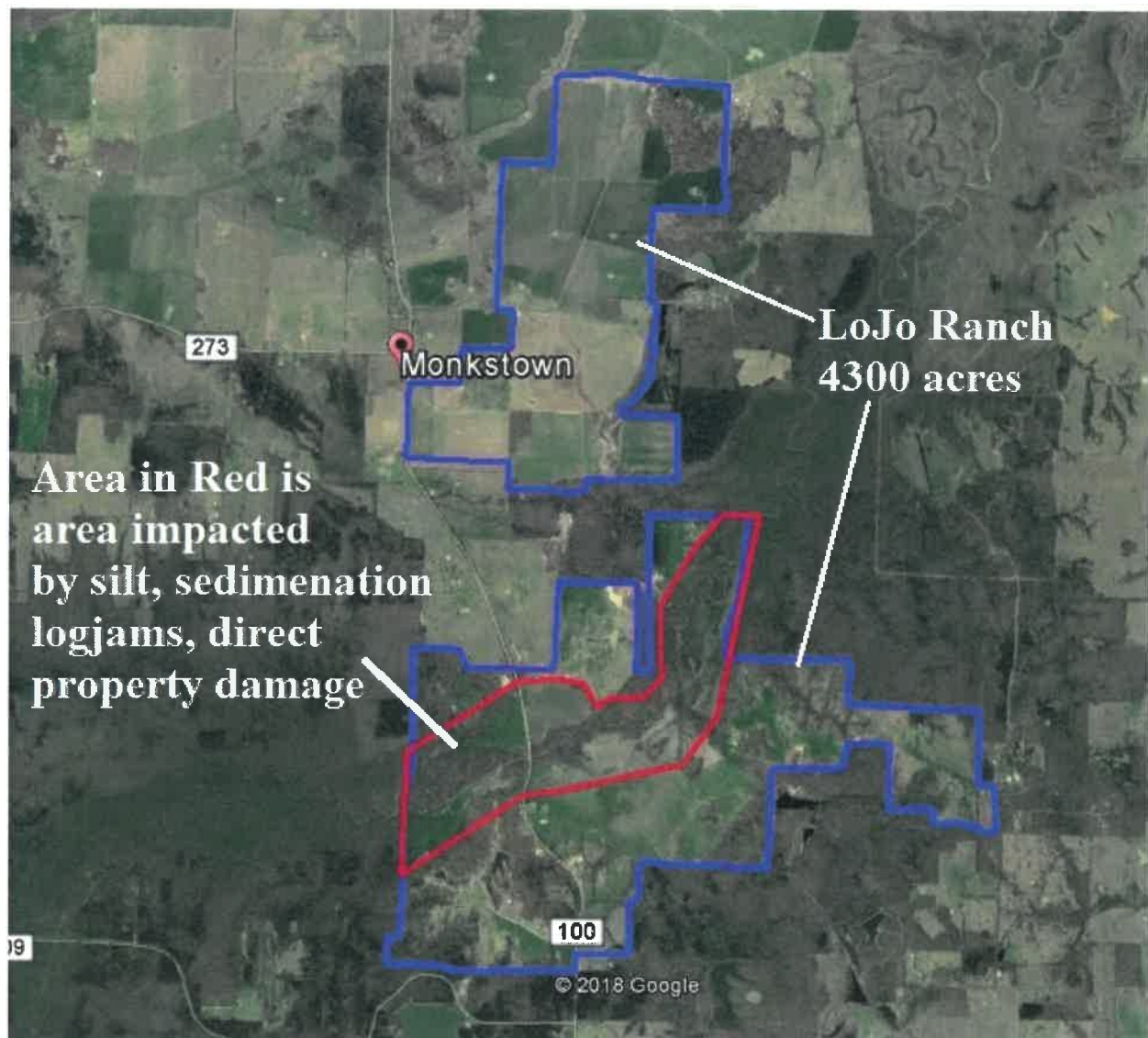
Heavy rains hit the area on Friday, September 21, 2018 and continued through Saturday, September 22, 2018. By Sunday September 23, 2018, a portion of the property in question was flooded as depicted in the photo shown below.



The floodwaters were not unusual, but what was different was the fact that the floodwaters did not recede as was typical. This did not become apparent for weeks. It wasn't until weeks into October that Plaintiffs realized the magnitude of the silt, trash, and sediment deposited on their land which had been transported from the lake construction site. Plaintiffs were prevented from entering the property due to the wet and flooded conditions.

¹ There is no recorded data at the Honey Grove Station from 2010 to 2014.

In September and October of 2018, and at additional times subsequent, rains in Fannin County filled up the creeks and drainage areas, including the historically significant Bois D' Arc Creek. During these critical times, NTMWD and P&J, its contractor in charge of the lake construction, failed to keep the storm drainage from the rains from literally carrying away tons of silt, dirt, and previously cut timber from the lake site to downstream landowners like Plaintiffs. Silt, dirt, and remnants of cut timber, as well as fully cut timber logs that had not yet been burned, were washed downstream until they were deposited onto Plaintiffs' property. The portion of Plaintiffs' property effected by the overflow is shown below.



During the storm events, the silt, sediment, and large timber pieces floated down the creek floodplain until they encountered obstacles on the Plaintiffs' ranch in the form of tall trees or vegetation that slowed the flowing waters and/or trapped the timber, trees, and other debris. The existing bushes and trees acted like a filter or screen, trapping debris flowing in the creek basin. This resulted in additional catching of other pieces and slowly the creation of log jam. As more and more debris and trees flowed onto the property, the drainage was slowed more and more, which created flooding. The flooding caused silt and sedimentation and other damage.

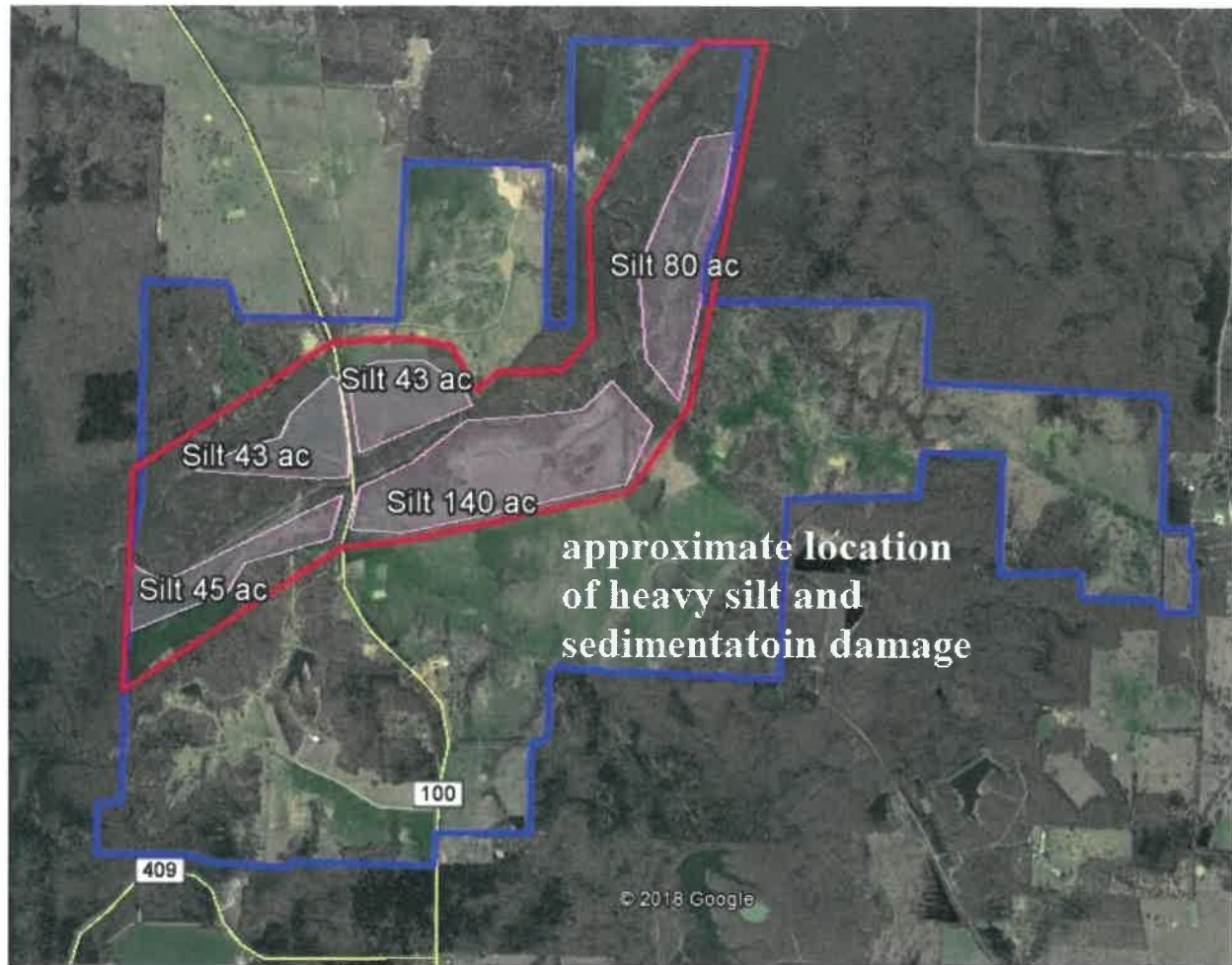
In addition, the events created three distinct log jams on the property. The approximate locations of these logjams/natural dams on Plaintiffs' property are shown below. Subsequent flooding has moved in whole or in part some of the logjams and created new and different logjams. The exact locations are approximate due to the near impossibility of entering the portions of the property along the creek from September 2018 through May of 2019.



These logjams and the other storm damage remain on the property and have changed the drainage and flows of storm waters across the ranch. Now, every time there is a significant rain event, Plaintiffs' property floods. Before the Bois D' Arc Reservoir project construction, while there were flooding events where water reached the same levels as from the flooding complained of here, there was never silting, debris, or sedimentation issues, and flood waters drained and receded much more quickly before the construction of the reservoir. Parts of the ranch that never flooded now flood. The landowner has never had silting, debris, or sedimentation the entire time it has owned or operated the ranch since the early 1980s.

The silt, sediment, and other debris have covered approximately 120 acres of land on the LoJo Ranch along both sides of the banks of Bois D' Arc Creek such that approximately 120 acres of trees along the creek have died or very likely will die because the height of silt rose too high up the tree trunks. The 120 acres must be cleared of the trees and the deep silt must be hauled away, as well as all of the other timber, trash and other debris in the area that came to the site as a result of the actions and inactions of NTMWD and P&J and the Bois D' Arc Reservoir construction. Plaintiffs should be compensated for these costs.

The failure to control the erosion and downstream sedimentation also resulted in covering approximately 440 acres of Plaintiffs' land in silt such that the 440 acres needs to have silt removed and the drainage re-graded so that the land drains properly as it did before the sedimentation took place. Accumulated sediment from the lake site deposited on the ranch prevents the 440 acres from draining into the Bois D' Arc Creek as they did before. Plaintiffs should be compensated for the costs they will incur to re-establish the farmland grades and remove the silt. The approximate locations of the areas heavily damaged by the deep silt and sedimentation referenced above are shown below.

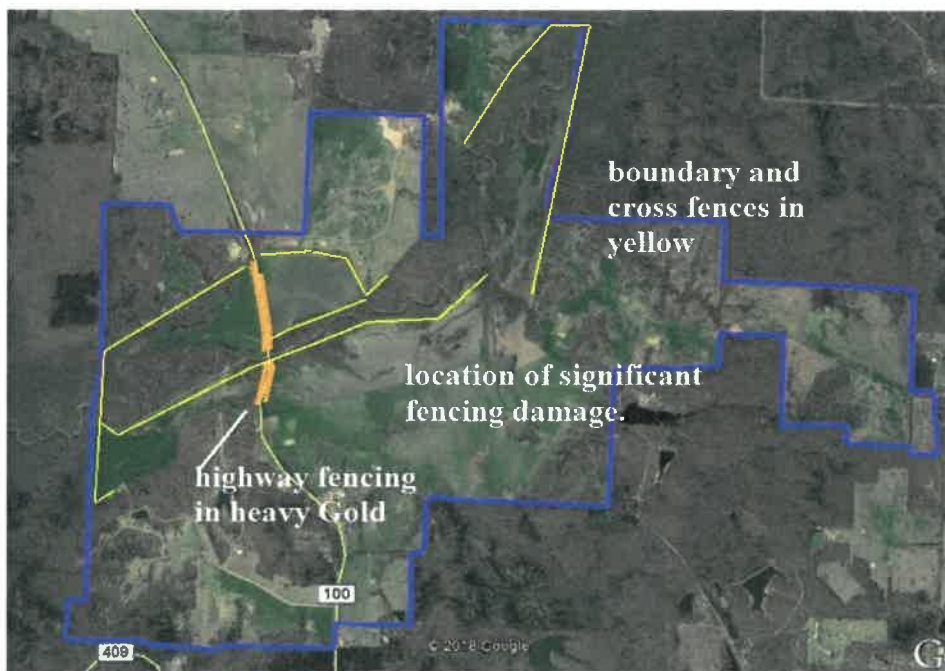


In addition, there are approximately 290 acres of Plaintiffs' land used for wheat production and 150 acres of pasture that cannot be used. This will continue until NTMWD and P&J complete the dam construction at the reservoir. Plaintiffs should be compensated for this temporary use and possession of their land by NTMWD and P&J.

In addition, the farmland within Plaintiffs' property was in very productive shape and had been well maintained, cultivated, and cleared of weeds and invasive plants. Due to the inundation of the silt, sedimentation and other foreign substances, it will take three successive years of aggressive weed management before the productive farmland is free of weeds again. Plaintiffs should be compensated for this additional cost to get the land free of weeds, as well as the lost production resulting from the less productive land.

In addition, as mentioned above, approximately 120 acres of large and old high-quality trees along the banks of Bois D' Arc Creek generally located within 50 yards along both sides of the creek will have to be removed and/or will die. In addition to providing beauty and all the normal benefits of trees, these trees located in the flood zone and along the creek provided excellent erosion control. Without the trees, erosion along the creek will be a problem unless significant steps are taken to restore erosion control going forward after the trees are gone. The lost value of these trees is significant. NTMWD and P&J should compensate Plaintiffs for the loss in value of the trees.

In addition, the overflow of surface water carrying sedimentation, trees, and other debris damaged and ruined approximately 36,000 linear feet of barbed wire fencing on Plaintiffs' property. Approximately 5,300 linear feet of this fencing was along public roadways, with the remaining 31,000 linear feet contained within the ranch – perimeter and cross-fencing. The existing fence needs to be removed and replaced. The approximate location of the damaged fencing areas is shown below.



Finally, all the trash, trees, and logs that have washed onto the property need to be gathered and either taken to a landfill or burned on site. Plaintiffs should be compensated for this expense.

Since the event that caused the damage to the ranch, there have been four or five events that have flooded the ranch just in the last year. This frequency of flooding was never experienced before. Land that was not in the floodplain is now flooding when there is rain.

Previous rain events did not cause property damage before lake construction.

NTMWD's construction of the reservoir began on or about June 1, 2018 and included clear-cutting a significant portion of the trees in the footprint of the reservoir and land clearing. Weather data from the Honey Grove station for the nine-month time period from June 1, 2018 through February 28, 2019, shows prior instances of more intense rainfall over similar time periods that did not cause property damage.

As a point of reference, the NOAA Record of Climatological Observations from the Honey Grove station for the period of June 2018 through February 2019 shows a total rainfall of 44.07 inches. **(Exhibit A)**. For the time period encompassing June 2000 through February 2001, the Honey Grove station measured 48.39 inches of rainfall. **(Exhibit B)**. For the time period from June 1996 through February 1997, the Honey Grove station measured total rainfall in the amount of 50.82 inches. **(Exhibit C)**. On neither of those prior occasions did Plaintiffs' land experience the character of property damage that is complained of in this case.

Further, the NOAA records show other nine-month periods outside of the June through February range wherein equally or more intense rainfall amounts were measured for the Honey Grove station. From October 1981 through June 1982, the Honey Grove station measured 55.87 inches of rainfall, almost a foot more rain than the 44.07 falling from June 2018 through the end

of February 2019. **(Exhibit D)**. Similarly, from October 2015 through June 2016 the Honey Grove station measured 54.20 inches of rainfall, ten inches more than the amount measured during the time period at issue. **(Exhibit E)**. From October 1991 through June 1992, the Honey Grove station measured 53.37 inches of rainfall. **(Exhibit F)**. From January 1990 through September 1990, the Honey Grove station measured 48.44 inches of rainfall. **(Exhibit G)**. From April 1991 through December 1991, the Honey Grove station measured 46.76 inches of rainfall. **(Exhibit H)**. From October 2000 through June 2001, the Honey Grove station measured 52.19 inches of rainfall. **(Exhibit I)**. From August 2001 through April 2002, the Honey Grove station measured 47.39 inches of rainfall. **(Exhibit J)**. Finally, from April 2007 through December 2007, the Honey Grove station received 47.00 inches of rainfall. **(Exhibit K)**. Despite receiving significantly higher volumes of rainfall over similar nine-month time periods, on none of those prior occasions did Plaintiffs' property incur the type of damage it did following NTMWD's construction activities.

The rainfall in September 2018 was 14.38 inches and in October 2018 was 10.77 inches. Between 1980 and the present, there were numerous other months with rainfall exceeding ten inches, and four months that virtually equaled or exceeded the September total of 14.38 inches (in *italic*):

Oct 1981 – 15.84"
May 1982 – 19.07"
May 1989 – 10.29"
May 1990 – 10.10"
Oct 1991 – 10.47"
June 1992 – 10.26"
Oct 1993 – 10.95"
May 1995 – 11.31"
Nov 1996 – 10.43"
Nov 2000 – 10.86"
Feb 2001 – 11.41"
March 2002 – 10.30"

June 2007 – 11.79”
March 2008 – 14.23”
2010-2014 NO DATA
Nov 2015 – 15.17”

(Exhibit L).

In September and October of 2018, the highest cumulative total for a three-calendar-day period was 12.5 inches from September 21 to September 23. The highest single day total was 7.37 inches on September 22. **(Exhibit A).** A very similar storm took place in November 2015 and in October of 1993. Between November 27 and November 29, 2015, 10.41 inches fell, with 6.67 inches falling on November 27. **(Exhibit M).** 8.79 inches fell from October 18 to October 20, 1993, with 6.47 inches falling on October 19, 1993. **(Exhibit N).**

Last, it is a matter of public record that NTMWD filed numerous condemnation actions in Fannin County Court at Law for the acquisition of both fee simple title as well as floodway easement interests for the land needed for the ultimate footprint of the lake after the lake is fully functioning and impounding water. Before filing the cases, over a period of many years NTMWD acquired around 10,000 acres of land needed through negotiation with landowners. Those acquisitions were voluntary in the sense that the landowners did not force NTMWD to file condemnation cases, but they were nonetheless acquisitions from landowners under the threat of eminent domain. Thus, NTMWD knew that it needed to acquire and pay for legal rights from landowners whose land was being used for the project. In this case, even though the LoJo Ranch is not within the footprint of the lake, the damage and taking that has befallen the Ranch is no less a result of the alleged public-use project of the Bois D' Arc Reservoir.

V.
DISCOVERY RULE

The Discovery Rule applies tolling the limitations periods applicable to Plaintiffs' causes of action. Heavy rains hit the area of Plaintiffs' land in September and October of 2018, flooding the land. It was not until October 2018 that Plaintiffs were able to discover the silt, trash, and sediment deposited on their land as flood waters receded. Prior to that time, Plaintiffs were prevented from entering the property due to the wet and flooded conditions and also could not see the damage because of flooding. Thus, to the extent necessary, the Discovery Rule applies tolling limitations for Plaintiffs' causes of action.

VI.
CAUSES OF ACTION

The facts recited above are all incorporated by reference into each of the Causes of Action listed below as if fully set forth therein.

A. Inverse Condemnation Against NTMWD

NTMWD is responsible for the development, design, construction, and operation of the alleged public use and public necessity Bois D' Arc Creek Reservoir project, including the construction project undertaken by NTMWD's contractor P&J, near and upstream from Plaintiffs' property. NTMWD intentionally permitted, designed, constructed, and/or operated the Bois D' Arc Creek Reservoir and its construction for which Plaintiffs' property is being temporarily and/or permanently taken, damaged, and destroyed in Fannin County, Texas. The project was designed, constructed and operated to either intentionally deliver surface water runoff onto and through Plaintiffs' property for public use, or in a way such that it was substantially certain that the LoJo Ranch would be damaged because of the project. NTMWD knew and intended that such surface water runoff be delivered onto and through Plaintiffs'

property, or the delivery of such surface water runoff and resulting damages were the substantially certain result of NTMWD's plan, design, construction, and operation of the project. NTMWD's intentional diversion of such surface water runoff onto Plaintiffs' property has, in fact, caused damage to the value of Plaintiffs' property.

NTMWD's actions and conduct constitute a taking, damaging or destruction of Plaintiffs' property under Article 1, §17 of the Texas Constitution and constitute a taking and damage of private property for public use under the Fifth Amendment to the United States Constitution.

If the Court finds that Defendant NTMWD did not have the requisite knowledge or intent to constitute an inverse taking at the time the Bois D' Arc Creek Reservoir was permitted, designed, operated, and/or constructed, as of and at every moment after the time NTMWD did learn of the damages to Plaintiffs' property caused by the construction activities of P&J, NTMWD's actions and conduct constitute a taking, damaging or destruction of Plaintiffs' property under Article 1, §17 of the Texas Constitution and the Fifth Amendment to the United States Constitution.

B. Respondeat Superior Against NTMWD

Plaintiffs hereby incorporate for all purposes the allegations set forth above.

In the alternative, NTMWD is vicariously liable for the inverse condemnation of Plaintiffs' property under the theory of Respondeat Superior. NTMWD is liable for the actions/omissions of its contractor, P&J, over whose tasks NTMWD had the legal right and obligation to control through its contract or otherwise. P&J took intentional action through the construction of the project that it knew would cause temporary and/or permanent damages to the LoJo Ranch or it took actions that were substantially certain to cause damage. P&J knew and intended that surface water runoff would be delivered onto and through Plaintiffs' property, or

that the delivery of such surface water runoff and resulting damages were substantially certain to occur as a result of P&J's design, construction, and operation of the project. These actions have, in fact, caused damage to the value of Plaintiffs' property.

P&J was constructing the Bois D' Arc Reservoir, which is NTMWD's alleged public project which can only be constructed under the legal scope and power of NTMWD's status as a sovereign, and the project and its design and construction are all part of the purposes for which NTMWD exists. The taking of Plaintiffs' land is a direct result from the alleged public use project just as if the land was included within the footprint of the permanent lake project. NTMWD is responsible for the actions of its contract. The construction of the reservoir is one of the essential functions for which NTMWD was created and why NTMWD has been granted the power to condemn.

P&J's actions and conduct, for which NTMWD is responsible, constitute a taking, damaging or destruction of Plaintiffs' property under Article 1, §17 of the Texas Constitution and constitute a taking and damage of private property for public use under the Fifth Amendment to the United States Constitution.

C. Respondent Superior Against NTMWD—Texas Tort Claims Act

Plaintiffs hereby incorporate for all purposes the allegations set forth above.

In the alternative, NTMWD is vicariously liable for the damage to Plaintiffs' property under the theory of Respondent Superior under the Texas Tort Claims Act. NTMWD is liable for the actions/omissions of its contractor, P&J, over whose tasks NTMWD had the legal right and obligation to control through its contract or otherwise. P&J took intentional action through the construction of the project that it knew would cause temporary and/or permanent damages to

the LoJo Ranch or it took actions that were substantially certain to cause such damages and/or which proximately caused such damages.

More specifically with regard to the liability of NTMWD, Plaintiffs' damages were proximately caused and arise out of the negligent operation and/or use of motor-driven vehicles or motor-driven equipment by NTMWD's contractor P&J during its construction activities on the land near and upstream of Plaintiffs' property, and over whose tasks NTMWD had the legal right to control.

At all times material hereto, the actions/omissions of P&J as set forth above were performed as part of the tasks lawfully assigned to P&J by NTWMD and were within the scope of P&J's contract with NTMWD.

D. Violation of Texas Water Code Against P&J

Plaintiffs hereby incorporate for all purposes the allegations set forth above.

The activities of P&J and P&J's agents on the land adjacent to the Plaintiffs' property have resulted in the unlawful diversion of surface water in violation of §11.086(a) of the Texas Water Code. Section 11.086(a) prohibits the diversion of the natural flow of surface waters in a manner that damages the property of another by the overflow of the water diverted. Defendants violated Section 11.086 by building temporary dams and impoundment ponds to catch floodwaters on the site before allowing them to go offsite. When these structures failed in the storm, all the flood waters were released in a manner that was more concentrated than it would have been otherwise if the project had never been constructed.

Plaintiffs seek damages occasioned by P&J and its agents' unlawful diversion of surface water. TEX. WATER CODE §11.086(b).

E. Negligence Against P&J

Plaintiffs hereby incorporate for all purposes the allegations set forth above.

P&J owed a duty to Plaintiffs, the downstream neighbors along Bois D' Arc Creek, to perform its construction activities on the land adjacent to Plaintiffs' property in the manner of a reasonable and prudent person to avoid damaging Plaintiffs' property. This included retaining storm waters on the site of the lake project or controlling the release of the waters in a way that would not be damaging to downstream landowners. This also includes allowing the release of water downstream without carrying with it all the debris, soil, silt, trees, lumber, and other waste from the lake construction site, all of which P&J was obligated to keep on site. The storm events that have caused the damages were foreseeable and the same or similar events had occurred in the past. On information and belief, local contractors who were hired to work on the project knew when the event started that they should get their trucks and equipment out of the bottom areas, but P&J did not. P&J, on information and belief, lost multiple pieces of expensive construction equipment due to flooding because it failed to remove the equipment. On information and belief, local contractors warned P&J regarding the risks of flooding and warned them to remove their own equipment.

Additionally, P&J, on its own and through the conduct of its agents, breached that duty in the following ways:

1. Improperly grading, clear-cutting or otherwise changing the elevation, slope, and nature of the land adjacent to Plaintiffs' property in a negligent, reckless, or deliberate fashion;
2. Improperly constructing temporary areas meant to prevent the trees, dirt, silt, and other debris removed during its construction activities from running off the site and onto Plaintiffs' property;
3. Constructing a temporary retention dam in a manner that did not hold or contain surface flows from a foreseeable rain event; and

4. Constructing a temporary retention dam in a manner that was not structurally sound and that breached and failed, causing the immediate release of floodwaters, silt, debris, trees, etc. downstream.

The actions of P&J and its agents in clear-cutting such large acreages, altering the physical nature of the land, and exposing all that soil to erosion and overflow of debris within a watershed area is obviously potentially damaging to downstream landowners such as Plaintiffs—it is, in fact, the single greatest risk of damages resulting from the construction of the lake project.

As a proximate cause of P&J's negligence in conducting those activities, Plaintiffs have suffered substantial damages as set forth herein, including damages to real property and economic injury.

F. Negligence Per Se Against P&J

Plaintiffs hereby incorporate for all purposes the allegations set forth above.

P&J's negligence described above in Paragraph V(B) violated a statute. Specifically, § 11.086 of the Texas Water Code prohibits the diversion of the natural flow of surface waters in this state in a manner that damages the property of another by the overflow of the water diverted.

The statute is designed to protect property owners like Plaintiffs against damage to their property caused by another person's improper diversion of the natural flow of surface waters. *See* TEX. WATER CODE §11.086(a).

The statute is of the type that imposes tort liability. *See id.* §11.086(b) ("A person whose property is injured by an overflow of water caused by an unlawful diversion or impounding has remedies at law and in equity and may recover damages occasioned by the overflow.").

P&J's violation of the statute was without legal excuse.

P&J's breach of duty imposed by the statute proximately caused, and continues to cause, injury to Plaintiffs and Plaintiffs' property.

In the alternative, even if P&J had a legal authorization from the State of Texas or another governmental source to divert storm waters, P&J failed to adhere to the requirements of its permission, which is thus a violation of Section 11.086(a).

G. Gross Negligence Against P&J

Plaintiffs hereby incorporate for all purposes the allegations set forth above.

The actions of P&J and its agents, when viewed objectively, involved an extreme degree of risk, considering the probability and magnitude of the potential harm to Plaintiffs and Plaintiffs' property. Namely, the clear-cutting of such large acreages, changing the physical landscape of the area, and exposing hundreds of acres of soil to erosion and overflow in the watershed area is inherently dangerous to downstream landowners such as Plaintiffs. P&J and its agents had actual, subjective awareness that their conduct created an extreme degree of risk of harm to Plaintiffs and Plaintiffs' property and/or was consciously indifferent to Plaintiffs' rights, safety, and welfare. Accordingly, P&J and its agents have been grossly negligent, and Plaintiffs are entitled to exemplary damages under Texas law.

H. Private Nuisance Against P&J

Plaintiffs hereby incorporate for all purposes the allegations set forth above.

Plaintiffs own the property adjacent to the land on which P&J and its agents performed the construction activities referenced above. P&J and its agents interfered with and invaded Plaintiffs' interest by diverting the natural flow of surface water onto Plaintiffs' property. These actions were intentional, grossly negligent, or negligent.

The activities of P&J and its agents have proximately caused injury to Plaintiffs and Plaintiffs' property.

Plaintiffs seek actual and exemplary damages related to damages caused by the loss of market value of Plaintiffs' property as described herein. Alternatively, Plaintiffs seek damages for the loss of use and enjoyment of Plaintiffs' property as described herein.

Plaintiffs seek interest, court costs, and such other and further relief to which Plaintiffs may be justly entitled.

I. Trespass to Real Property Against P&J

Plaintiffs hereby incorporate for all purposes the allegations set forth above.

Plaintiffs are the owner and operator of the LoJo Ranch in Fannin County. The construction activities of P&J and its agents on the land adjacent to Plaintiffs' property caused trash, trees, sediment, and surface water to be discharged and accumulated onto Plaintiffs' property.

The entry onto Plaintiffs' property caused by P&J and its agents was physical, intentional, voluntary, and unauthorized.

As a result of the trespass caused by P&J and its agents, Plaintiffs seek nominal, actual, and exemplary damages relating to the damages caused to Plaintiffs by the unauthorized entry upon its property.

VII. **DAMAGES TO PLAINTIFFS**

As set forth above, Plaintiffs have experienced a significant, unnatural overflow of surface water onto their property as a result of the actions of NTMWD and P&J as set forth above. Additionally, Defendants' construction activities caused trees, sediment, and other debris to be carried onto Plaintiffs' property with the unnatural overflow of surface water. Those items

accumulated on Plaintiffs' property to such an extent as to cause major blockages of the natural flow of water and cause further flooding and damages to Plaintiffs' property which otherwise would not occur.

More specifically, approximately 120 acres must be cleared of the trees and the tons of silt must be hauled away as well as all the other timber, trash and other debris on Plaintiffs' land. Sediment, trees, and debris covering approximately 440 acres of Plaintiffs' land should be removed and drainage re-graded to ensure the land drains properly as it did before the sedimentation took place. In addition, Plaintiffs lost the use of 290 acres of wheat-producing land and 150 acres of pastureland and seek recovery for that loss of use. In addition, the farmland within Plaintiffs' property will require three successive years of aggressive weed management to get farmland back to the productive condition it was in prior to the inundation of the silt, sedimentation and other foreign substances. Plaintiffs further seek recovery for the temporary possession and lost value of the land because Plaintiffs' land cannot be used due to the actions of NTMWD and P&J. Plaintiffs further seek recovery for the intrinsic value of the lost trees that will have to be removed and/or will die due to the massive amounts of sediment overflowing onto Plaintiffs' property. The referenced trees were located on approximately 120 acres along the banks of the Bois D' Arc Creek generally within 50 yards along both sides of the creek. Plaintiffs further seek recovery for the cost to repair approximately 36,000 linear feet of barbed wire fencing damaged. Finally, Plaintiffs seek recovery for the cost of the necessary removal of the trash, trees, and logs washed onto Plaintiffs' property.

Generally, and to the extent not chronicled above, Plaintiffs seek to recover the cost to restore and repair the damage to Plaintiffs' property, the loss of use and enjoyment of the

damaged land, the loss of market value, the loss of expected profits from the use of the land, and the intrinsic value of the trees and plants destroyed by the actions of NTMWD and P&J.

Plaintiffs further seek recovery of nominal damages and exemplary damages resulting from Defendants' trespass, as well as the recovery of exemplary damages resulting from Defendants' gross negligence and creation of a nuisance.

Plaintiffs seek actual damages of approximately \$3,000,000.00.

VIII.
CLAIM FOR PRE- AND POST-JUDGMENT INTEREST

Plaintiffs herein claim lawful interest, both incurred pre-judgment and post-judgment, in accordance with the Texas Finance Code and any other applicable law.

IX.
JURY DEMAND

Plaintiffs request a jury be convened to try the factual issues in this cause.

X.
PRAYER

WHEREFORE, PREMISES CONSIDERED, Plaintiffs pray that the Defendants be cited to appear and answer herein and, upon final hearing of this cause, Plaintiffs have judgment against the Defendants for all actual, consequential, and incidental damages described herein and as Plaintiffs may present and prove, an award of punitive and exemplary damages as alleged above, for court costs, attorneys' fees, pre-judgment and post-judgment interest at the maximum rate allowed by law, and all such further relief both at law and in equity, to which Plaintiffs may show themselves justly entitled.

Respectfully submitted,

DAWSON & SODD, LLP

A handwritten signature in black ink, appearing to read "Matt Hurt", written over a horizontal line.

Matthew M. Hurt

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ATTORNEYS FOR PLAINTIFFS

Exhibit A

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Year	Month	Day	Temperature (F)		At Observation	Precipitation				Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time			24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth		8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Fall	Snow, Ice Pellets, Hail (in)	Fall				Ground Cover (see *)	Max.	Ground Cover (see *)	Min.	Max.
2018	06	01				0.00											
2018	06	02				0.00											
2018	06	03				0.00											
2018	06	04				0.00											
2018	06	05				0.10											
2018	06	06				0.00											
2018	06	07				0.00											
2018	06	08				0.02											
2018	06	09				0.00											
2018	06	10				0.00											
2018	06	11				0.00											
2018	06	12				0.12											
2018	06	13				0.00											
2018	06	14				0.00											
2018	06	15				0.00											
2018	06	16				0.00											
2018	06	17				0.00											
2018	06	18				0.00											
2018	06	19				0.00											
2018	06	20				0.35											
2018	06	21				0.09											
2018	06	22				0.00											
2018	06	23				0.01											
2018	06	24				0.00											
2018	06	25				0.00											
2018	06	26				0.00											
2018	06	27				0.00											
2018	06	28				0.00											
2018	06	29				0.00											
2018	06	30				0.00											
Summary						0.69		0.0									

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

"S" This data value failed one of NCDC's quality control tests.

"T" values in the Precipitation or Snow category above indicate a "trace" value was recorded.

"A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Data value inconsistency may be present due to rounding calculations during the conversion process from SI metric units to standard imperial units.

Year	Month	Day	Temperature (F)		At Observation	Precipitation				Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time			24 Hour Amounts Ending at Observation Time		At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth		8 in. Depth				
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Falling				Snow, Ice Pellets, Hail (in)	Falling	Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.
2018	08	01				0.00											
2018	08	02				0.00											
2018	08	03				0.00											
2018	08	04				0.00											
2018	08	05				0.00											
2018	08	06				0.00											
2018	08	07				0.00											
2018	08	08				0.01											
2018	08	09				0.24											
2018	08	10				0.00											
2018	08	11				0.01											
2018	08	12				0.28											
2018	08	13				1.45											
2018	08	14				1.28											
2018	08	15				0.00											
2018	08	16				0.00											
2018	08	17				0.00											
2018	08	18				0.00											
2018	08	19				0.00											
2018	08	20				0.00											
2018	08	21				0.00											
2018	08	22				0.00											
2018	08	23				0.00											
2018	08	24				0.00											
2018	08	25				0.00											
2018	08	26				0.00											
2018	08	27				0.00											
2018	08	28				0.00											
2018	08	29				0.00											
2018	08	30				0.13											
2018	08	31				0.00											
Summary						3.40											
						0.0											

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass mulch; 8=Bare muck; 0=Unknown

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"T" values in the Precipitation or Snow category above indicate a "trace" value was recorded.

"A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Data value inconsistency may be present due to rounding calculations during the conversion process from SI metric units to standard imperial units.

Year	Month	Day	Temperature (F)		Precipitation				Evaporation			Soil Temperature (F)			
			24 Hrs. Ending at Observation Time		At Observation Time	24 Hour Amounts Ending at Observation Time			24 Hour Wind Movement (mi)	Amount of Evap. (in)	Ground Cover (see *)	4 in. Depth		8 in. Depth	
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Fog	Snow, Ice Pellets, Hail (in)	Fog			Ground Cover (see *)	Max.	Min.	Max.
2018	10	01				0.00									
2018	10	02				0.00									
2018	10	03				0.00									
2018	10	04				0.00									
2018	10	05				0.00									
2018	10	06				0.28									
2018	10	07				0.31									
2018	10	08				0.00									
2018	10	09				1.10									
2018	10	10				0.00									
2018	10	11				0.00									
2018	10	12				1.75									
2018	10	13				1.70									
2018	10	14				0.02									
2018	10	15				1.75									
2018	10	16				1.05									
2018	10	17				0.05									
2018	10	18				0.00									
2018	10	19				0.57									
2018	10	20				0.18									
2018	10	21				0.00									
2018	10	22				0.00									
2018	10	23				0.00									
2018	10	24				0.05									
2018	10	25				0.40									
2018	10	26				0.00									
2018	10	27				0.00									
2018	10	28				0.00									
2018	10	29				0.00									
2018	10	30				0.00									
2018	10	31				1.56									
Summary						10.77									
						0.0									

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass mulch; 8=Bare muck; 0=Unknown

"s" This data value failed one of NCDC's quality control tests.

"T" values in the Precipitation or Snow category above indicate a "trace" value was recorded.

"A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Data value inconsistency may be present due to rounding calculations during the conversion process from SI metric units to standard imperial units.

Year	Month	Day	Temperature (F)		Precipitation				Evaporation		Soil Temperature (F)						
			24 Hrs. Ending at Observation Time		24 Hour Amounts Ending at Observation Time				At Obs. Time		4 in. Depth		8 in. Depth				
			Max.	Min.	Rain, Melted Snow, Etc. (in)	F l a g	Snow, Ice Pellets, Hail (in)	F l a g	Snow, Ice Pellets, Hail, Ice on Ground (in)	24 Hour Wind Movement (mi)	Amount of Evap. (in)	Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2018	11	01			0.30												
2018	11	02			0.00												
2018	11	03			0.00												
2018	11	04			0.32												
2018	11	05			0.00												
2018	11	06			0.00												
2018	11	07			0.37												
2018	11	08			0.02												
2018	11	09			0.00												
2018	11	10			0.00												
2018	11	11			0.00												
2018	11	12			0.55												
2018	11	13			0.00												
2018	11	14			0.00												
2018	11	15			0.00												
2018	11	16			0.00												
2018	11	17			0.00												
2018	11	18			0.04												
2018	11	19			0.00												
2018	11	20			0.00												
2018	11	21			0.00												
2018	11	22			0.00												
2018	11	23			0.00												
2018	11	24			0.00												
2018	11	25			0.00												
2018	11	26			0.00												
2018	11	27			0.00												
2018	11	28			0.00												
2018	11	29			0.00												
2018	11	30			0.01												
Summary					1.61			0.0									

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass mulch; 8=Bare muck; 0=Unknown

"s" This data value failed one of NCDC's quality control tests.

"T" values in the Precipitation or Snow category above indicate a "trace" value was recorded.

"A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Data value inconsistency may be present due to rounding calculations during the conversion process from SI metric units to standard imperial units.

Year	Month	Day	Temperature (F)		At Observation	Precipitation				Evaporation		Soil Temperature (F)						
			24 Hrs. Ending at Observation Time			24 Hour Amounts Ending at Observation Time			At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth		8 in. Depth				
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Fall	Snow, Ice Pellets, Hail (in)				Fall	Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2019	02	01				0.00												
2019	02	02				0.06												
2019	02	03				0.02												
2019	02	04				0.00												
2019	02	05				0.00												
2019	02	06				0.00												
2019	02	07				0.73												
2019	02	08				0.00												
2019	02	09				0.05												
2019	02	10				0.39												
2019	02	11				0.43												
2019	02	12				0.15												
2019	02	13				0.00												
2019	02	14				0.00												
2019	02	15				0.00												
2019	02	16				0.00												
2019	02	17				0.03												
2019	02	18				0.00												
2019	02	19				0.51												
2019	02	20				0.10												
2019	02	21				0.03												
2019	02	22				0.15												
2019	02	23				0.15												
2019	02	24				0.00												
2019	02	25				0.00												
2019	02	26				0.00												
2019	02	27				0.02												
2019	02	28				0.00												
Summary							2.82											
								0.0										

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome Grass; 5=Sod; 6=Straw mulch; 7=Grass mulch; 8=Bare muck; 9=Unknown

"s" This data value failed one of NCDC's quality control tests.

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"A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Data value inconsistency may be present due to rounding calculations during the conversion process from SI metric units to standard imperial units.

Year	Month	Day	Temperature (F)		Precipitation				Evaporation		Soil Temperature (F)			
			24 Hrs. Ending at Observation Time		24 Hour Amounts Ending at Observation Time		At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	Ground Cover (see *)	4 in. Depth		Ground Cover (see *)	8 in. Depth
			Max.	Min.	Rain, Melted Snow, Etc. (in)	F I a g	Snow, Ice Pellets, Hail (in)	F I a g	Snow, Ice Pellets, Hail, Ice on Ground (in)		Max.	Min.		Max. Min.
2019	03	01			0.00									
2019	03	02			0.01									
2019	03	03			0.21									
2019	03	04			0.00									
2019	03	05			0.00									
2019	03	06			0.00									
2019	03	07			0.00									
2019	03	08			0.00									
2019	03	09			0.86									
2019	03	10			0.00									
2019	03	11			0.28									
2019	03	12			0.04									
2019	03	13			0.86									
2019	03	14			0.00									
2019	03	15			0.00									
2019	03	16			0.00									
2019	03	17			0.00									
2019	03	18			0.00									
2019	03	19			0.00									
2019	03	20			0.00									
2019	03	21			0.00									
2019	03	22			0.00									
2019	03	23			0.00									
2019	03	24			0.10									
2019	03	25			0.39									
2019	03	26			0.00									
2019	03	27			0.00									
2019	03	28			0.00									
2019	03	29			0.00									
2019	03	30			0.10									
2019	03	31			0.00									
Summary					2.85									
						0.0								

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass mulch; 8=Bare muck; 0=Unknown

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"A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Data value inconsistency may be present due to rounding calculations during the conversion process from SI metric units to standard imperial units.

Year	Month	Day	Temperature (F)		At Observation	Precipitation				Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time			24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth		8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Fall	Snow, Ice Pellets, Hail (in)	Fall				Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.
2019	04	01				0.00											
2019	04	02				0.00											
2019	04	03				0.00											
2019	04	04				0.20											
2019	04	05				0.00											
2019	04	06				0.48											
2019	04	07				0.03											
2019	04	08				0.00											
2019	04	09				0.00											
2019	04	10				0.00											
2019	04	11				0.00											
2019	04	12				0.00											
2019	04	13				2.26											
2019	04	14				0.82											
2019	04	15				0.00											
2019	04	16				0.00											
2019	04	17				0.09											
2019	04	18				0.96											
2019	04	19				0.00											
2019	04	20				0.00											
2019	04	21				0.00											
2019	04	22				0.00											
2019	04	23				0.09											
2019	04	24				0.80											
2019	04	25				0.62											
2019	04	26				0.00											
2019	04	27				0.00											
2019	04	28				0.00											
2019	04	29				0.00											
2019	04	30				0.00											
Summary						6.35											
						0.0											

Empty, or blank, cells indicate that a data observation was not reported.

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Data value inconsistency may be present due to rounding calculations during the conversion process from SI metric units to standard imperial units.

Year	Month	Day	Temperature (F)		At Observation	Precipitation				Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time			At Obs. Time	24 Hour Amounts Ending at Observation Time			24 Hour Wind Movement (ml)	Amount of Evap. (in)	4 in. Depth		8 in. Depth			
			Max.	Min.			Rain, Melted Snow, Etc. (in)	Falling	Snow, Ice Pellets, Hail (in)			Falling	Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.
2019	05	01				0.12											
2019	05	02				1.74											
2019	05	03				0.00											
2019	05	04				0.00											
2019	05	05				0.00											
2019	05	06				0.00											
2019	05	07				0.00											
2019	05	08				1.25											
2019	05	09				0.01											
2019	05	10				0.00											
2019	05	11				1.27											
2019	05	12				0.00											
2019	05	13				0.00											
2019	05	14				0.00											
2019	05	15				0.00											
2019	05	16				0.00											
2019	05	17				0.00											
2019	05	18				1.39											
2019	05	19				0.00											
2019	05	20				0.00											
2019	05	21				0.59											
2019	05	22				0.00											
2019	05	23				0.00											
2019	05	24				0.00											
2019	05	25				0.00											
2019	05	26				0.00											
2019	05	27				0.00											
2019	05	28				0.00											
2019	05	29				0.80											
2019	05	30				2.57											
2019	05	31				0.00											
Summary						9.74											
						0.0											

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

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"A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Data value inconsistency may be present due to rounding calculations during the conversion process from SI metric units to standard imperial units.

Year	Month	Day	Temperature (F)		At Observations	Precipitation				Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time			24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth		8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	F I a g	Snow, Ice Pellets, Hail (in)	F I a g				Ground Cover (see *)	Max.	Ground Cover (see *)	Min.	Max.
2019	06	01				0.00											
2019	06	02				0.00											
2019	06	03				0.00											
2019	06	04				0.80											
2019	06	05				0.00											
2019	06	06				0.00											
2019	06	07				0.12											
2019	06	08				0.00											
2019	06	09				0.18											
2019	06	10				0.00											
2019	06	11				0.00											
2019	06	12				0.00											
2019	06	13				0.00											
2019	06	14				0.00											
2019	06	15				0.00											
2019	06	16				0.92											
2019	06	17				1.60											
2019	06	18				0.00											
2019	06	19				0.30											
2019	06	20				1.97											
2019	06	21				0.00											
2019	06	22				0.00											
2019	06	23				0.15											
2019	06	24				2.03											
2019	06	25				0.00											
2019	06	26				0.00											
2019	06	27				0.00											
2019	06	28				0.00											
2019	06	29				0.00											
2019	06	30				0.00											
Summary							8.07	0.0									

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

"s" This data value failed one of NCDC's quality control tests.

"T" values in the Precipitation or Snow category above indicate a "trace" value was recorded.

"A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Data value inconsistency may be present due to rounding calculations during the conversion process from SI metric units to standard imperial units.

Year	Month	Day	Temperature (F)		At Observation	Precipitation				Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time			24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth		8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	F I a g	Snow, Ice Pellets, Hail (in)	F I a g				Ground Cover (see *)	Max.	Ground Cover (see *)	Min.	Max.
2019	07	01															
2019	07	02															
2019	07	03															
2019	07	04															
2019	07	05															
2019	07	06															
2019	07	07															
2019	07	08															
2019	07	09															
2019	07	10															
2019	07	11															
2019	07	12															
2019	07	13															
2019	07	14															
2019	07	15															
2019	07	16															
2019	07	17															
2019	07	18															
2019	07	19															
2019	07	20															
2019	07	21															
2019	07	22															
2019	07	23															
2019	07	24															
2019	07	25															
2019	07	26															
2019	07	27															
2019	07	28															
2019	07	29															
2019	07	30															
2019	07	31															
Summary						0.40											

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

"S" This data value failed one of NCDC's quality control tests.

"T" values in the Precipitation or Snow category above indicate a "trace" value was recorded.

"A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Data value inconsistency may be present due to rounding calculations during the conversion process from SI metric units to standard imperial units.

Exhibit B

Observation Time Temperature: Unknown Observation Time Precipitation: 0700

Year	Month	Day	Temperature (F)		Precipitation				Evaporation		Soil Temperature (F)			
			24 Hrs. Ending at Observation Time		24 Hour Amounts Ending at Observation Time		At Obs. Time	Amount of Evap. (in)	24 Hour Wind Movement (mi)	Ground Cover (see *)	4 in. Depth		8 in. Depth	
			Max.	Min.	Rain, Melted Snow, Etc. (in)	Fall, Ice Hail (in)					Max.	Min.	Ground Cover (see *)	Max. Min.
2000	06	01			0.00	0.0	0.0							
2000	06	02			0.00	0.0	0.0							
2000	06	03			0.44	0.0	0.0							
2000	06	04			1.94	0.0	0.0							
2000	06	05			0.00	0.0	0.0							
2000	06	06			0.00	0.0	0.0							
2000	06	07			0.00	0.0	0.0							
2000	06	08			0.00	0.0	0.0							
2000	06	09			0.31	0.0	0.0							
2000	06	10			0.17	0.0	0.0							
2000	06	11			1.60	0.0	0.0							
2000	06	12			0.00	0.0	0.0							
2000	06	13			0.00	0.0	0.0							
2000	06	14			0.00	0.0	0.0							
2000	06	15			0.61	0.0	0.0							
2000	06	16			0.00	0.0	0.0							
2000	06	17			0.24	0.0	0.0							
2000	06	18			0.00	0.0	0.0							
2000	06	19			0.25	0.0	0.0							
2000	06	20			0.00	0.0	0.0							
2000	06	21			0.17	0.0	0.0							
2000	06	22			0.24	0.0	0.0							
2000	06	23			0.00	0.0	0.0							
2000	06	24			0.00	0.0	0.0							
2000	06	25			0.00	0.0	0.0							
2000	06	26			0.00	0.0	0.0							
2000	06	27			0.00	0.0	0.0							
2000	06	28			0.00	0.0	0.0							
2000	06	29			0.00	0.0	0.0							
2000	06	30			3.20	0.0	0.0							
Summary					9.17	0.0	0.0							

Empty, or blank, cells indicate that a data observation was not reported.
*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown
*s" This data value failed one of NCDC's quality control tests.
"T" values in the Precipitation or Snow category above indicate a "trace" value was recorded.
"A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.
Data value inconsistency may be present due to rounding calculations during the conversion process from SI metric units to standard imperial units.

Year	Month	Day	Temperature (F)		At Observation	Precipitation				Evaporation		Soil Temperature (F)						
			24 Hrs. Ending at Observation Time			24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth		8 in. Depth			
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Fallow	Snow, Ice Pellets, Hail (in)	Fallow				Snow, Ice Pellets, Hail, Ice on Ground (in)	Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.
2000	08	01				0.00			0.0									
2000	08	02				0.00			0.0									
2000	08	03				0.00			0.0									
2000	08	04				0.00			0.0									
2000	08	05				0.00			0.0									
2000	08	06				0.00			0.0									
2000	08	07				0.00			0.0									
2000	08	08				0.00			0.0									
2000	08	09				0.00			0.0									
2000	08	10				0.00			0.0									
2000	08	11				0.00			0.0									
2000	08	12				0.00			0.0									
2000	08	13				0.00			0.0									
2000	08	14				0.00			0.0									
2000	08	15				0.00			0.0									
2000	08	16				0.00			0.0									
2000	08	17				0.00			0.0									
2000	08	18				0.00			0.0									
2000	08	19				0.00			0.0									
2000	08	20				0.00			0.0									
2000	08	21				0.00			0.0									
2000	08	22				0.00			0.0									
2000	08	23				0.00			0.0									
2000	08	24				0.00			0.0									
2000	08	25				0.00			0.0									
2000	08	26				0.00			0.0									
2000	08	27				0.00			0.0									
2000	08	28				0.00			0.0									
2000	08	29				0.00			0.0									
2000	08	30				0.00			0.0									
2000	08	31				0.00			0.0									
Summary						0.00			0.0									

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

"s" This data value failed one of NCDC's quality control tests.

"T" values in the Precipitation or Snow category above indicate a "trace" value was recorded.

"A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Data value inconsistency may be present due to rounding calculations during the conversion process from SI metric units to standard imperial units.

Year	Month	Day	Temperature (F)		Precipitation				Evaporation		Soil Temperature (F)								
			24 Hrs. Ending at Observation Time		At Observation Time		24 Hour Amounts Ending at Observation Time		24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth		8 in. Depth						
			Max.	Min.	At Obs. Time	At Obs. Time	Rain, Melted Snow, Etc. (in)	Fall			Snow, Ice Pellets, Hail (in)	Fall	Snow, Ice Pellets, Hail, Ice on Ground (in)	Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2000	09	01					0.00		0.0	0.0									
2000	09	02					0.00		0.0	0.0									
2000	09	03					0.00		0.0	0.0									
2000	09	04					0.00		0.0	0.0									
2000	09	05					0.00		0.0	0.0									
2000	09	06					0.00		0.0	0.0									
2000	09	07					0.00		0.0	0.0									
2000	09	08					0.00		0.0	0.0									
2000	09	09					0.00		0.0	0.0									
2000	09	10					0.00		0.0	0.0									
2000	09	11					0.00		0.0	0.0									
2000	09	12					0.00		0.0	0.0									
2000	09	13					0.00		0.0	0.0									
2000	09	14					0.00		0.0	0.0									
2000	09	15					0.00		0.0	0.0									
2000	09	16					0.00		0.0	0.0									
2000	09	17					0.00		0.0	0.0									
2000	09	18					0.00		0.0	0.0									
2000	09	19					0.00		0.0	0.0									
2000	09	20					0.00		0.0	0.0									
2000	09	21					0.00		0.0	0.0									
2000	09	22					0.00		0.0	0.0									
2000	09	23					0.00		0.0	0.0									
2000	09	24					2.26		0.0	0.0									
2000	09	25					0.00		0.0	0.0									
2000	09	26					0.00		0.0	0.0									
2000	09	27					0.00		0.0	0.0									
2000	09	28					0.00		0.0	0.0									
2000	09	29					0.00		0.0	0.0									
2000	09	30					0.00		0.0	0.0									
Summary							2.26		0.0										

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

"s". This data value failed one of NCDC's quality control tests.

"T" values in the Precipitation or Snow category above indicate a "trace" value was recorded.

"A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Data value inconsistency may be present due to rounding calculations during the conversion process from SI metric units to standard imperial units.

Year	Month	Day	Temperature (F)		At Observation	Precipitation				Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time			24 Hour Amounts Ending at Observation Time			At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth		8 in. Depth			
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Falling	Snow, Ice Pellets, Hail (in)				Falling	Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.
2001	01	01				0.00											
2001	01	02				0.00											
2001	01	03				0.00											
2001	01	04				0.00											
2001	01	05				0.00				0.0							
2001	01	06				0.00				0.0							
2001	01	07				0.00				0.0							
2001	01	08				0.00				0.0							
2001	01	09				0.00				0.0							
2001	01	10				0.45				0.0							
2001	01	11				0.00				0.0							
2001	01	12				0.00				0.0							
2001	01	13				0.00				0.0							
2001	01	14				0.00				0.0							
2001	01	15				0.00				0.0							
2001	01	16				0.92				0.0							
2001	01	17				0.00				0.0							
2001	01	18				0.25				0.0							
2001	01	19				0.00				0.0							
2001	01	20				0.00				0.0							
2001	01	21				0.00				0.0							
2001	01	22				0.00				0.0							
2001	01	23				0.00				0.0							
2001	01	24				0.00				0.0							
2001	01	25				0.00				0.0							
2001	01	26				0.00				0.0							
2001	01	27				0.00				0.0							
2001	01	28				0.26				0.0							
2001	01	29				1.18				0.0							
2001	01	30				0.00				0.0							
2001	01	31				0.00				0.0							
Summary						3.06				0.0							

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

*s" This data value failed one of NCDC's quality control tests.

"T" values in the Precipitation or Snow category above indicate a "trace" value was recorded.

"A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Data value inconsistency may be present due to rounding calculations during the conversion process from SI metric units to standard imperial units.

Exhibit C

Observation Time Temperature: Unknown Observation Time Precipitation: 0700

Year	Month	Day	Temperature (F)		Precipitation				Evaporation		Soil Temperature (F)						
			24 Hrs. Ending at Observation Time		At Observation	24 Hour Amounts Ending at Observation Time			24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth		8 in. Depth				
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Fall	Snow, Ice Pellets, Hail (in)			Fall	Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
1996	06	01				1.95		0.0									
1996	06	02				0.00		0.0									
1996	06	03				0.00		0.0									
1996	06	04				0.06		0.0									
1996	06	05				0.00		0.0									
1996	06	06				0.00		0.0									
1996	06	07				0.05		0.0									
1996	06	08				0.00		0.0									
1996	06	09				0.00		0.0									
1996	06	10				0.00		0.0									
1996	06	11				0.76		0.0									
1996	06	12				2.40		0.0									
1996	06	13				3.30		0.0									
1996	06	14				0.00		0.0									
1996	06	15				0.00		0.0									
1996	06	16				0.00		0.0									
1996	06	17				0.94		0.0									
1996	06	18				0.00		0.0									
1996	06	19				0.00		0.0									
1996	06	20				0.00		0.0									
1996	06	21				0.00		0.0									
1996	06	22				0.00		0.0									
1996	06	23				0.00		0.0									
1996	06	24				0.00		0.0									
1996	06	25				0.00		0.0									
1996	06	26				0.08		0.0									
1996	06	27				0.00		0.0									
1996	06	28				0.02		0.0									
1996	06	29				0.00		0.0									
1996	06	30				0.00		0.0									
Summary						9.56		0.0									

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown
"s" This data value failed one of NCDC's quality control tests.

"T" values in the Precipitation or Snow category above indicate a "trace" value was recorded.

"A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Data value inconsistency may be present due to rounding calculations during the conversion process from SI metric units to standard imperial units.

Year	Month	Day	Temperature (F)		Precipitation				Evaporation			Soil Temperature (F)			
			24 Hrs. Ending at Observation Time		At Observation	24 Hour Amounts Ending at Observation Time			At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth		8 in. Depth	
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Fall	Snow, Ice Pellets, Hail (in)	Fall			Ground Cover (see *)	Max.	Ground Cover (see *)	Max.
1996	07	01				0.00			0.0						
1996	07	02				0.00			0.0						
1996	07	03				0.00			0.0						
1996	07	04				0.00			0.0						
1996	07	05				0.07			0.0						
1996	07	06				0.00			0.0						
1996	07	07				0.00			0.0						
1996	07	08				0.00			0.0						
1996	07	09				0.07			0.0						
1996	07	10				0.10			0.0						
1996	07	11				0.00			0.0						
1996	07	12				0.76			0.0						
1996	07	13				0.00			0.0						
1996	07	14				0.18			0.0						
1996	07	15				0.00			0.0						
1996	07	16				0.00			0.0						
1996	07	17				0.00			0.0						
1996	07	18				0.00			0.0						
1996	07	19				0.00			0.0						
1996	07	20				0.00			0.0						
1996	07	21				0.00			0.0						
1996	07	22				0.00			0.0						
1996	07	23				0.08			0.0						
1996	07	24				0.08			0.0						
1996	07	25				0.00			0.0						
1996	07	26				0.14			0.0						
1996	07	27				0.55			0.0						
1996	07	28				0.00			0.0						
1996	07	29				0.00			0.0						
1996	07	30				0.00			0.0						
1996	07	31				4.26			0.0						
			Summary			6.29			0.0						

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

"s" This data value failed one of NCDC's quality control tests.

"T" values in the Precipitation or Snow category above indicate a "trace" value was recorded.

"A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Data value inconsistency may be present due to rounding calculations during the conversion process from SI metric units to standard imperial units.

Year	Month	Day	Temperature (F)		Precipitation				Evaporation		Soil Temperature (F)						
			24 Hrs. Ending at Observation Time		24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth		8 in. Depth			
			Max.	Min.	Rain, Melted Snow, Etc. (in)	Fall	Snow, Ice Pellets, Hail (in)	Fall				Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
1996	08	01			0.00		0.0										
1996	08	02			0.19		0.0										
1996	08	03			0.00		0.0										
1996	08	04			0.00		0.0										
1996	08	05			0.00		0.0										
1996	08	06			0.00		0.0										
1996	08	07			0.00		0.0										
1996	08	08			0.00		0.0										
1996	08	09			0.65		0.0										
1996	08	10			0.35		0.0										
1996	08	11			0.91		0.0										
1996	08	12			0.41		0.0										
1996	08	13			0.00		0.0										
1996	08	14			0.00		0.0										
1996	08	15			0.00		0.0										
1996	08	16			0.00		0.0										
1996	08	17			0.00		0.0										
1996	08	18			0.00		0.0										
1996	08	19			0.00		0.0										
1996	08	20			0.00		0.0										
1996	08	21			0.00		0.0										
1996	08	22			0.00		0.0										
1996	08	23			0.03		0.0										
1996	08	24			0.00		0.0										
1996	08	25			0.01		0.0										
1996	08	26			0.00		0.0										
1996	08	27			0.89		0.0										
1996	08	28			1.41		0.0										
1996	08	29			0.84		0.0										
1996	08	30			0.02		0.0										
1996	08	31			0.15		0.0										
Summary					5.86		0.0										

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass mulch; 8=Bare muck; 0=Unknown

"s" This data value failed one of NCDC's quality control tests.

"T" values in the Precipitation or Snow category above indicate a "trace" value was recorded.

"A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Data value inconsistency may be present due to rounding calculations during the conversion process from SI metric units to standard imperial units.

Year	Month	Day	Temperature (F)		Precipitation				Evaporation			Soil Temperature (F)			
			24 Hrs. Ending at Observation Time		At Observation Time	24 Hour Amounts Ending at Observation Time			At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth		8 in. Depth	
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Fall	Snow, Ice Pellets, Hail (in)	Fall			Ground Cover (see *)	Max.	Min.	Max.
1996	09	01				0.00		0.0							
1996	09	02				0.00		0.0							
1996	09	03				0.00		0.0							
1996	09	04				0.00		0.0							
1996	09	05				0.00		0.0							
1996	09	06				0.00		0.0							
1996	09	07				0.00		0.0							
1996	09	08				0.00		0.0							
1996	09	09				0.00		0.0							
1996	09	10				0.00		0.0							
1996	09	11				0.00		0.0							
1996	09	12				0.00		0.0							
1996	09	13				0.00		0.0							
1996	09	14				0.00		0.0							
1996	09	15				0.78		0.0							
1996	09	16				0.00		0.0							
1996	09	17				0.00		0.0							
1996	09	18				0.28		0.0							
1996	09	19				0.30		0.0							
1996	09	20				0.00		0.0							
1996	09	21				0.05		0.0							
1996	09	22				0.00		0.0							
1996	09	23				0.00		0.0							
1996	09	24				0.23		0.0							
1996	09	25				0.00		0.0							
1996	09	26				0.86		0.0							
1996	09	27				0.15		0.0							
1996	09	28				0.00		0.0							
1996	09	29				0.00		0.0							
1996	09	30				0.00		0.0							
Summary						2.65		0.0							

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass mulch; 8=Bare muck; 0=Unknown

"s" This data value failed one of NCDC's quality control tests.

"T" values in the Precipitation or Snow category above indicate a "trace" value was recorded.

"A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Data value inconsistency may be present due to rounding calculations during the conversion process from SI metric units to standard imperial units.

Year	Month	Day	Temperature (F)		At Observation	Precipitation				Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time			24 Hour Amounts Ending at Observation Time				24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth		8 in. Depth			
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Fall	Snow, Ice Pellets, Hail (in)	Fall			Snow, Ice Pellets, Hail, Ice on Ground (in)	Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.
1996	10	01				0.00		0.0									
1996	10	02				0.00		0.0									
1996	10	03				0.00		0.0									
1996	10	04				0.00		0.0									
1996	10	05				0.00		0.0									
1996	10	06				0.00		0.0									
1996	10	07				0.00		0.0									
1996	10	08				0.00		0.0									
1996	10	09				0.00		0.0									
1996	10	10				0.00		0.0									
1996	10	11				0.00		0.0									
1996	10	12				0.00		0.0									
1996	10	13				0.00		0.0									
1996	10	14				0.00		0.0									
1996	10	15				0.00		0.0									
1996	10	16				0.00		0.0									
1996	10	17				0.00		0.0									
1996	10	18				0.00		0.0									
1996	10	19				0.00		0.0									
1996	10	20				0.00		0.0									
1996	10	21				2.82		0.0									
1996	10	22				0.55		0.0									
1996	10	23				0.00		0.0									
1996	10	24				0.00		0.0									
1996	10	25				0.00		0.0									
1996	10	26				0.00		0.0									
1996	10	27				0.00		0.0									
1996	10	28				2.17		0.0									
1996	10	29				0.03		0.0									
1996	10	30				0.00		0.0									
1996	10	31				0.00		0.0									
Summary						5.57		0.0									

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass mulch; 8=Bare mulch; 0=Unknown

"s" This data value failed one of NCDC's quality control tests.

"T" values in the Precipitation or Snow category above indicate a "trace" value was recorded.

"A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Data value inconsistency may be present due to rounding calculations during the conversion process from SI metric units to standard imperial units.

Year	Month	Day	Temperature (F)		Precipitation				Evaporation		Soil Temperature (F)							
			24 Hrs. Ending at Observation Time		At Observation		24 Hour Amounts Ending at Observation Time		At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth		8 in. Depth				
			Max.	Min.	Observed	At Observation	Rain, Melted Snow, Etc. (in)	Fall	Snow, Ice Pellets, Hail (in)			Fall	Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
1996	11	01					1.01	0.0	0.0									
1996	11	02					0.00	0.0	0.0									
1996	11	03					0.00	0.0	0.0									
1996	11	04					0.00	0.0	0.0									
1996	11	05					0.00	0.0	0.0									
1996	11	06					0.00	0.0	0.0									
1996	11	07					2.70	0.0	0.0									
1996	11	08					0.00	0.0	0.0									
1996	11	09					0.00	0.0	0.0									
1996	11	10					0.00	0.0	0.0									
1996	11	11					0.00	0.0	0.0									
1996	11	12					0.00	0.0	0.0									
1996	11	13					0.00	0.0	0.0									
1996	11	14					0.00	0.0	0.0									
1996	11	15					0.00	0.0	0.0									
1996	11	16					0.02	0.0	0.0									
1996	11	17					0.91	0.0	0.0									
1996	11	18					0.00	0.0	0.0									
1996	11	19					0.02	0.0	0.0									
1996	11	20					0.00	0.0	0.0									
1996	11	21					0.00	0.0	0.0									
1996	11	22					0.00	0.0	0.0									
1996	11	23					0.00	0.0	0.0									
1996	11	24					3.02	0.0	0.0									
1996	11	25					1.04	0.0	0.0									
1996	11	26					0.00	0.0	0.0									
1996	11	27					0.00	0.0	0.0									
1996	11	28					0.00	0.0	0.0									
1996	11	29					1.41	0.0	0.0									
1996	11	30					0.30	0.0	0.0									
Summary							10.43	0.0	0.0									

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

"s" This data value failed one of NCDC's quality control tests.

"T" values in the Precipitation or Snow category above indicate a "trace" value was recorded.

"A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Data value inconsistency may be present due to rounding calculations during the conversion process from SI metric units to standard imperial units.

Year	Month	Day	Temperature (F)		At Observation	Precipitation				Evaporation		Soil Temperature (F)						
			24 Hrs. Ending at Observation Time			24 Hour Amounts Ending at Observation Time				24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth		8 in. Depth				
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Fall	Snow, Ice Pellets, Hail (in)	Fall			Snow, Ice Pellets, Hail, Ice on Ground (in)	Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
1996	12	01							0.0									
1996	12	02				0.00			0.0									
1996	12	03				0.00			0.0									
1996	12	04				0.12			0.0									
1996	12	05				0.00			0.0									
1996	12	06				0.00			0.0									
1996	12	07				0.00			0.0									
1996	12	08				0.00			0.0									
1996	12	09				0.00			0.0									
1996	12	10				0.00			0.0									
1996	12	11				0.00			0.0									
1996	12	12				0.00			0.0									
1996	12	13				0.00			0.0									
1996	12	14				0.00			0.0									
1996	12	15				0.93			0.0									
1996	12	16				0.05			0.0									
1996	12	17				0.02			1.0									
1996	12	18				0.00			0.0									
1996	12	19				0.00			0.0									
1996	12	20				0.00			0.0									
1996	12	21				0.00			0.0									
1996	12	22				0.00			0.0									
1996	12	23				0.00			0.0									
1996	12	24				0.00			0.0									
1996	12	25				0.00			0.0									
1996	12	26				0.00			0.0									
1996	12	27				0.00			0.0									
1996	12	28				0.00			0.0									
1996	12	29				0.00			0.0									
1996	12	30				0.04			0.0									
1996	12	31				0.03			0.0									
Summary						1.19			1.0									

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

"s" This data value failed one of NCDC's quality control tests.

"T" values in the Precipitation or Snow category above indicate a "trace" value was recorded.

"A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Data value inconsistency may be present due to rounding calculations during the conversion process from SI metric units to standard imperial units.

Year	Month	Day	Temperature (F)		Precipitation				Evaporation		Soil Temperature (F)						
			24 Hrs. Ending at Observation Time		At Observation	24 Hour Amounts Ending at Observation Time			At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth		8 in. Depth			
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Fall	Snow, Ice Pellets, Hail (in)				Fall	Ground Cover (see *)	Max.	Ground Cover (see *)	Min.	Min.
1997	02	01				0.00		0.0		0.0							
1997	02	02				0.00		0.0		0.0							
1997	02	03				0.00		0.0		0.0							
1997	02	04				0.00		0.0		0.0							
1997	02	05				0.00		0.0		0.0							
1997	02	06				0.95		0.0		0.0							
1997	02	07				0.47		0.0		0.0							
1997	02	08				0.00		0.0		0.0							
1997	02	09				0.00		0.0		0.0							
1997	02	10				0.07		0.0		0.0							
1997	02	11				0.00		0.0		0.0							
1997	02	12				1.13		0.0		0.0							
1997	02	13				1.02		0.0		0.0							
1997	02	14				0.00		0.0		0.0							
1997	02	15				0.00		0.0		0.0							
1997	02	16				0.00		0.0		0.0							
1997	02	17				0.00		0.0		0.0							
1997	02	18				0.00		0.0		0.0							
1997	02	19				0.53		0.0		0.0							
1997	02	20				2.90		0.0		0.0							
1997	02	21				0.36		0.0		0.0							
1997	02	22				0.00		0.0		0.0							
1997	02	23				0.00		0.0		0.0							
1997	02	24				0.00		0.0		0.0							
1997	02	25				0.24		0.0		0.0							
1997	02	26				0.45		0.0		0.0							
1997	02	27				0.00		0.0		0.0							
1997	02	28				0.00		0.0		0.0							
		Summary				8.12		0.0		0.0							

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass mulch; 8=Bare muck; 0=Unknown

"s" This data value failed one of NCDC's quality control tests.

"T" values in the Precipitation or Snow category above indicate a "trace" value was recorded.

"A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Data value inconsistency may be present due to rounding calculations during the conversion process from SI metric units to standard imperial units.

Exhibit D

Year	Month	Day	Temperature (F)		At Observation	Precipitation				Evaporation		Soil Temperature (F)						
			24 Hrs. Ending at Observation Time			24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth		8 in. Depth			
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Fall	Snow, Ice Pellets, Hail (in)	Fall				Snow, Ice Pellets, Hail, Ice on Ground (in)	Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.
1981	11	01				0.00		0.0		0.0								
1981	11	02				0.00		0.0		0.0								
1981	11	03				0.00		0.0		0.0								
1981	11	04				0.00		0.0		0.0								
1981	11	05				0.00		0.0		0.0								
1981	11	06				0.00		0.0		0.0								
1981	11	07				0.00		0.0		0.0								
1981	11	08				1.10		0.0		0.0								
1981	11	09				0.00		0.0		0.0								
1981	11	10				0.00		0.0		0.0								
1981	11	11				0.00		0.0		0.0								
1981	11	12				0.00		0.0		0.0								
1981	11	13				0.00		0.0		0.0								
1981	11	14				0.00		0.0		0.0								
1981	11	15				0.00		0.0		0.0								
1981	11	16				0.00		0.0		0.0								
1981	11	17				0.00		0.0		0.0								
1981	11	18				0.00		0.0		0.0								
1981	11	19				0.00		0.0		0.0								
1981	11	20				0.00		0.0		0.0								
1981	11	21				0.00		0.0		0.0								
1981	11	22				0.00		0.0		0.0								
1981	11	23				0.00		0.0		0.0								
1981	11	24				0.00		0.0		0.0								
1981	11	25				0.00		0.0		0.0								
1981	11	26				0.00		0.0		0.0								
1981	11	27				0.00		0.0		0.0								
1981	11	28				0.00		0.0		0.0								
1981	11	29				0.00		0.0		0.0								
1981	11	30				0.92		0.0		0.0								
Summary						2.02		0.0		0.0								

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

"s" This data value failed one of NCDC's quality control tests.

"T" values in the Precipitation or Snow category above indicate a "trace" value was recorded.

"A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Data value inconsistency may be present due to rounding calculations during the conversion process from SI metric units to standard imperial units.

Year	Month	Day	Temperature (F)		At Observation	Precipitation				Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time			24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth		8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Fall	Snow, Ice Pellets, Hail (in)	Fall				Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.
1982	02	01				0.00		0.0									
1982	02	02				0.00		0.0									
1982	02	03				0.00		0.0									
1982	02	04				0.00		0.0									
1982	02	05				0.00		0.0									
1982	02	06				0.00		0.0									
1982	02	07				0.00		0.0									
1982	02	08				0.37		0.0									
1982	02	09				0.01		T									
1982	02	10				0.00		0.0									
1982	02	11				0.00		0.0									
1982	02	12				0.12		0.0									
1982	02	13				0.00		0.0									
1982	02	14				0.00		0.0									
1982	02	15				0.00		0.0									
1982	02	16				0.08		0.0									
1982	02	17				0.00		0.0									
1982	02	18				0.00		0.0									
1982	02	19				0.00		0.0									
1982	02	20				0.00		0.0									
1982	02	21				0.00		0.0									
1982	02	22				0.00		0.0									
1982	02	23				0.00		0.0									
1982	02	24				0.00		0.0									
1982	02	25				1.28		0.0									
1982	02	26				0.66		6.0									
1982	02	27				0.00		0.0									
1982	02	28				0.00		0.0									
Summary						2.52		6.0									

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

"S" This data value failed one of NCDC's quality control tests.

"T" values in the Precipitation or Snow category above indicate a "trace" value was recorded.

"A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Data value inconsistency may be present due to rounding calculations during the conversion process from SI metric units to standard imperial units.

Y e a r	M o n t h	D a y	Temperature (F)		At O b s e r v a t i o n	Precipitation				Evaporation		Soil Temperature (F)						
			24 Hrs. Ending at Observation Time	Max.		Min.	24 Hour Amounts Ending at Observation Time			At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth		8 in. Depth			
							Rain, Melted Snow, Etc. (in)	F i a g	Snow, Ice Pellets, Hail (in)				F i a g	Snow, Ice Pellets, Hail, Ice on Ground (in)	Ground Cover (see *)	Max.	Min.	Ground Cover (see *)
1982	03	01				0.00		0.0										
1982	03	02				0.00		0.0										
1982	03	03				0.03		0.0										
1982	03	04				0.50		0.0										
1982	03	05				0.00		0.0										
1982	03	06				0.00		0.0										
1982	03	07				0.00		0.0										
1982	03	08				0.00		0.0										
1982	03	09				0.00		0.0										
1982	03	10				0.00		0.0										
1982	03	11				0.00		0.0										
1982	03	12				0.00		0.0										
1982	03	13				0.00		0.0										
1982	03	14				2.12		0.0										
1982	03	15				0.00		0.0										
1982	03	16				0.00		0.0										
1982	03	17				0.00		0.0										
1982	03	18				0.00		0.0										
1982	03	19				0.00		0.0										
1982	03	20				0.00		0.0										
1982	03	21				0.13		0.0										
1982	03	22				0.00		0.0										
1982	03	23				0.00		0.0										
1982	03	24				0.00		0.0										
1982	03	25				0.00		0.0										
1982	03	26				0.00		0.0										
1982	03	27				0.19				0.0								
1982	03	28				0.09		0.0										
1982	03	29				0.00		0.0										
1982	03	30				0.00		0.0										
1982	03	31				0.10		0.0										
Summary						3.16		0.0										

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

"s" This data value failed one of NCDC's quality control tests.

"T" values in the Precipitation or Snow category above indicate a "trace" value was recorded.

"A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Data value inconsistency may be present due to rounding calculations during the conversion process from SI metric units to standard imperial units.

Year	Month	Day	Temperature (F)		At Observation	Precipitation				Evaporation		Soil Temperature (F)						
			24 Hrs. Ending at Observation Time			24 Hour Amounts Ending at Observation Time				24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth		8 in. Depth				
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Fall	Snow, Ice Pellets, Hail (in)	Fall			Snow, Ice Pellets, Hail, Ice on Ground (in)	Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
1982	06	01				0.00		0.0		0.0								
1982	06	02				0.00		0.0		0.0								
1982	06	03				0.00		0.0		0.0								
1982	06	04				0.00		0.0		0.0								
1982	06	05				0.00		0.0		0.0								
1982	06	06				0.00		0.0		0.0								
1982	06	07				0.00		0.0		0.0								
1982	06	08				0.00		0.0		0.0								
1982	06	09				0.00		0.0		0.0								
1982	06	10				0.00		0.0		0.0								
1982	06	11				0.27		0.0		0.0								
1982	06	12				1.43		0.0		0.0								
1982	06	13				0.00		0.0		0.0								
1982	06	14				0.00		0.0		0.0								
1982	06	15				0.00		0.0		0.0								
1982	06	16				1.65		0.0		0.0								
1982	06	17				0.00		0.0		0.0								
1982	06	18				0.00		0.0		0.0								
1982	06	19				0.00		0.0		0.0								
1982	06	20				0.00		0.0		0.0								
1982	06	21				1.59		0.0		0.0								
1982	06	22				0.00		0.0		0.0								
1982	06	23				0.00		0.0		0.0								
1982	06	24				0.85		0.0		0.0								
1982	06	25				0.73		0.0		0.0								
1982	06	26				0.00		0.0		0.0								
1982	06	27				0.00		0.0		0.0								
1982	06	28				0.04		0.0		0.0								
1982	06	29				0.06		0.0		0.0								
1982	06	30				0.00		0.0		0.0								
Summary						6.62		0.0										

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

"s" This data value failed one of NCDC's quality control tests.

"T" values in the Precipitation or Snow category above indicate a "trace" value was recorded.

"A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Data value inconsistency may be present due to rounding calculations during the conversion process from SI metric units to standard imperial units.

Exhibit E

Year	Month	Day	Temperature (F)		Precipitation				Evaporation			Soil Temperature (F)			
			24 Hrs. Ending at Observation Time		At Observation Time	24 Hour Amounts Ending at Observation Time			24 Hour Wind Movement (mi)	Amount of Evap. (in)	Ground Cover (see *)	4 In. Depth		Ground Cover (see *)	8 In. Depth
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Fog	Snow, Ice Pellets, Hail (in)	Fog			Max.	Min.		Max.
2015	11	01				0.15									
2015	11	02				0.02									
2015	11	03				0.00									
2015	11	04				0.00									
2015	11	05				0.10									
2015	11	06				1.12									
2015	11	07				0.03									
2015	11	08				0.00									
2015	11	09				0.00									
2015	11	10				0.00									
2015	11	11				0.19									
2015	11	12				0.00									
2015	11	13				0.00									
2015	11	14				0.00									
2015	11	15				0.00									
2015	11	16				0.84									
2015	11	17				2.14									
2015	11	18				0.00									
2015	11	19				0.00									
2015	11	20				0.00									
2015	11	21				0.00									
2015	11	22				0.00									
2015	11	23				0.00									
2015	11	24				0.00									
2015	11	25				0.00									
2015	11	26				0.05									
2015	11	27				6.67									
2015	11	28				2.73									
2015	11	29				1.01									
2015	11	30				0.12									
Summary						15.17		0.0							

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass mulch; 8=Bare muck; 0=Unknown
"s" This data value failed one of NCDC's quality control tests.

"T" values in the Precipitation or Snow category above indicate a "trace" value was recorded.

"A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Data value inconsistency may be present due to rounding calculations during the conversion process from SI metric units to standard imperial units.

Year	Month	Day	Temperature (F)		At Obs. Time	Precipitation				Evaporation		Soil Temperature (F)						
			24 Hrs. Ending at Observation Time	Max.		Min.	Rain, Melted Snow, Etc. (in)	Falling	Snow, Ice Pellets, Hail (in)	Falling	At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth		8 in. Depth		
														Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.
2015	12	01																
2015	12	02																
2015	12	03																
2015	12	04																
2015	12	05																
2015	12	06																
2015	12	07																
2015	12	08																
2015	12	09																
2015	12	10																
2015	12	11																
2015	12	12																
2015	12	13																
2015	12	14																
2015	12	15																
2015	12	16																
2015	12	17																
2015	12	18																
2015	12	19																
2015	12	20																
2015	12	21																
2015	12	22																
2015	12	23																
2015	12	24																
2015	12	25																
2015	12	26																
2015	12	27																
2015	12	28																
2015	12	29																
2015	12	30																
2015	12	31																
Summary						7.83												
						0.0												

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass mulch; 8=Bare muck; 0=Unknown

"s" This data value failed one of NCDC's quality control tests.

"T" values in the Precipitation or Snow category above indicate a "trace" value was recorded.

"A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Data value inconsistency may be present due to rounding calculations during the conversion process from SI metric units to standard Imperial units.

Year	Month	Day	Temperature (F)		Precipitation				Evaporation		Soil Temperature (F)						
			24 Hrs. Ending at Observation Time		24 Hour Amounts Ending at Observation Time			At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth		8 in. Depth				
			Max.	Min.	Rain, Melted Snow, Etc. (in)	Fall	Snow, Ice Pellets, Hail (in)				Fall	Ground Cover (see *)	Max.	Ground Cover (see *)	Min.	Max.	
2016	01	01			At Observation	0.00											
2016	01	02				0.00											
2016	01	03				0.00											
2016	01	04				0.00											
2016	01	05				0.00											
2016	01	06				0.00											
2016	01	07				0.53											
2016	01	08				0.00											
2016	01	09				0.15											
2016	01	10				0.00											
2016	01	11				0.00											
2016	01	12				0.00											
2016	01	13				0.00											
2016	01	14				0.00											
2016	01	15				0.00											
2016	01	16				0.05											
2016	01	17				0.00											
2016	01	18				0.00											
2016	01	19				0.00											
2016	01	20				0.03											
2016	01	21				0.84											
2016	01	22				0.00											
2016	01	23				0.00											
2016	01	24				0.00											
2016	01	25				0.00											
2016	01	26				0.00											
2016	01	27				0.00											
2016	01	28				0.00											
2016	01	29				0.00											
2016	01	30				0.00											
2016	01	31				0.00											
Summary						1.60		0.0									

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass mulch; 8=Bare muck; 0=Unknown

"s" This data value failed one of NCDC's quality control tests.

"T" values in the Precipitation or Snow category above indicate a "trace" value was recorded.

"A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Data value inconsistency may be present due to rounding calculations during the conversion process from SI metric units to standard imperial units.

Year	Month	Day	Temperature (F)		At Observation	Precipitation				Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time			24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth		8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Falling	Snow, Ice Pellets, Hail (in)	Falling				Ground Cover (see *)	Max.	Ground Cover (see *)	Min.	Max.
2016	02	01				0.00											
2016	02	02				0.00											
2016	02	03				0.00											
2016	02	04				0.00											
2016	02	05				0.00											
2016	02	06				0.38											
2016	02	07				0.00											
2016	02	08				0.00											
2016	02	09				0.00											
2016	02	10				0.00											
2016	02	11				0.00											
2016	02	12				0.00											
2016	02	13				0.00											
2016	02	14				0.00											
2016	02	15				0.15											
2016	02	16				0.00											
2016	02	17				0.00											
2016	02	18				0.00											
2016	02	19				0.00											
2016	02	20				0.00											
2016	02	21				0.00											
2016	02	22				0.10											
2016	02	23				1.65											
2016	02	24				0.16											
2016	02	25				0.00											
2016	02	26				0.00											
2016	02	27				0.00											
2016	02	28				0.00											
2016	02	29				0.00											
Summary						2.44									0.0		

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass mulch; 8=Bare muck; 0=Unknown

"s" This data value failed one of NCDC's quality control tests.

"T" values in the Precipitation or Snow category above indicate a "trace" value was recorded.

"A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Data value inconsistency may be present due to rounding calculations during the conversion process from SI metric units to standard Imperial units.

Year	Month	Day	Temperature (F)		At Observation	Precipitation				Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time			24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth		8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Falling	Snow, Ice Pellets, Hail (in)	Falling				Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.
2016	03	01				0.00											
2016	03	02				0.00											
2016	03	03				0.00											
2016	03	04				0.00											
2016	03	05				0.00											
2016	03	06				0.00											
2016	03	07				0.00											
2016	03	08				1.35											
2016	03	09				1.50											
2016	03	10				0.40											
2016	03	11				0.18											
2016	03	12				0.05											
2016	03	13				0.00											
2016	03	14				0.00											
2016	03	15				0.00											
2016	03	16				0.00											
2016	03	17				0.13											
2016	03	18				0.05											
2016	03	19				0.00											
2016	03	20				0.00											
2016	03	21				0.00											
2016	03	22				0.00											
2016	03	23				0.00											
2016	03	24				0.50											
2016	03	25				0.00											
2016	03	26				0.00											
2016	03	27				0.00											
2016	03	28				0.00											
2016	03	29				0.00											
2016	03	30				0.46											
2016	03	31				0.00											
			Summary			4.62											
						0.0											

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

"s" This data value failed one of NCDC's quality control tests.

"T" values in the Precipitation or Snow category above indicate a "trace" value was recorded.

"A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Data value inconsistency may be present due to rounding calculations during the conversion process from SI metric units to standard imperial units.

Year	Month	Day	Temperature (F)		At Observation	Precipitation				Evaporation		Soil Temperature (F)						
			24 Hrs. Ending at Observation Time			24 Hour Amounts Ending at Observation Time				24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth		8 in. Depth				
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Falling	Snow, Ice Pellets, Hail (in)	Falling			At Obs. Time	Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2016	04	01				0.00												
2016	04	02				0.00												
2016	04	03				0.00												
2016	04	04				0.00												
2016	04	05				0.00												
2016	04	06				0.00												
2016	04	07				0.00												
2016	04	08				0.00												
2016	04	09				0.00												
2016	04	10				0.00												
2016	04	11				0.20												
2016	04	12				0.00												
2016	04	13				0.65												
2016	04	14				0.13												
2016	04	15				0.00												
2016	04	16				0.00												
2016	04	17				0.90												
2016	04	18				1.30												
2016	04	19				0.02												
2016	04	20				1.16												
2016	04	21				0.00												
2016	04	22				0.00												
2016	04	23				0.00												
2016	04	24				0.00												
2016	04	25				0.00												
2016	04	26				0.00												
2016	04	27				1.15												
2016	04	28				0.00												
2016	04	29				0.20												
2016	04	30				1.46												
Summary						7.17												
						0.0												

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

"s" This data value failed one of NCDC's quality control tests.

"T" values in the Precipitation or Snow category above indicate a "trace" value was recorded.

"A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Data value inconsistency may be present due to rounding calculations during the conversion process from SI metric units to standard imperial units.

Exhibit F

Year	Month	Day	Temperature (F)		At Observation	Precipitation				Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time			24 Hour Amounts Ending at Observation Time			At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth		8 in. Depth			
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Fall	Snow, Ice Pellets, Hail (in)				Fall	Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.
1991	10	01				0.00		0.0		0.0							
1991	10	02				0.00		0.0		0.0							
1991	10	03				0.00		0.0		0.0							
1991	10	04				0.24		0.0		0.0							
1991	10	05				0.15		0.0		0.0							
1991	10	06				0.00		0.0		0.0							
1991	10	07				0.00		0.0		0.0							
1991	10	08				0.00		0.0		0.0							
1991	10	09				0.00		0.0		0.0							
1991	10	10				0.00		0.0		0.0							
1991	10	11				0.00		0.0		0.0							
1991	10	12				0.00		0.0		0.0							
1991	10	13				0.00		0.0		0.0							
1991	10	14				0.00		0.0		0.0							
1991	10	15				0.00		0.0		0.0							
1991	10	16				0.00		0.0		0.0							
1991	10	17				0.00		0.0		0.0							
1991	10	18				0.00		0.0		0.0							
1991	10	19				0.00		0.0		0.0							
1991	10	20				0.00		0.0		0.0							
1991	10	21				0.00		0.0		0.0							
1991	10	22				0.00		0.0		0.0							
1991	10	23				0.00		0.0		0.0							
1991	10	24				0.00		0.0		0.0							
1991	10	25				0.65		0.0		0.0							
1991	10	26				2.13		0.0		0.0							
1991	10	27				1.33		0.0		0.0							
1991	10	28				2.77		0.0		0.0							
1991	10	29				2.05		0.0		0.0							
1991	10	30				0.11		0.0		0.0							
1991	10	31				1.04		0.0		0.0							
Summary						10.47		0.0									

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

"s" This data value failed one of NCDC's quality control tests.

"T" values in the Precipitation or Snow category above indicate a "trace" value was recorded.

"A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Data value inconsistency may be present due to rounding calculations during the conversion process from SI metric units to standard imperial units.

Year	Month	Day	Temperature (F)		Precipitation				Evaporation		Soil Temperature (F)						
			24 Hrs. Ending at Observation Time		24 Hour Amounts Ending at Observation Time				At Obs. Time		4 in. Depth		8 in. Depth				
			Max.	Min.	Rain, Melted Snow, Etc. (in)	Fall	Snow, Ice Pellets, Hail (in)	Fall	Snow, Ice Pellets, Hail, Ice on Ground (in)	24 Hour Wind Movement (mi)	Amount of Evap. (in)	Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
1991	12	01			0.71		0.0		0.0								
1991	12	02			0.78		0.0		0.0								
1991	12	03			0.00		0.0		0.0								
1991	12	04			0.00		0.0		0.0								
1991	12	05			0.00		0.0		0.0								
1991	12	06			0.00		0.0		0.0								
1991	12	07			0.00		0.0		0.0								
1991	12	08			0.00		0.0		0.0								
1991	12	09			3.20		0.0		0.0								
1991	12	10			0.00		0.0		0.0								
1991	12	11			0.45		0.0		0.0								
1991	12	12			0.13		0.0		0.0								
1991	12	13			0.00		0.0		0.0								
1991	12	14			0.00		0.0		0.0								
1991	12	15			0.00		0.0		0.0								
1991	12	16			0.00		0.0		0.0								
1991	12	17			0.00		0.0		0.0								
1991	12	18			0.00		0.0		0.0								
1991	12	19			0.43		0.0		0.0								
1991	12	20			1.25		0.0		0.0								
1991	12	21			0.43		0.0		0.0								
1991	12	22			0.90		0.0		0.0								
1991	12	23			0.00		0.0		0.0								
1991	12	24			0.00		0.0		0.0								
1991	12	25			0.00		0.0		0.0								
1991	12	26			0.04		0.0		0.0								
1991	12	27			0.12		0.0		0.0								
1991	12	28			0.07		0.0		0.0								
1991	12	29			0.00		0.0		0.0								
1991	12	30			0.00		0.0		0.0								
1991	12	31			0.00		0.0		0.0								
Summary					8.51		0.0		0.0								

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass mulch; 8=Bare muck; 0=Unknown

"s" This data value failed one of NCDC's quality control tests.

"T" values in the Precipitation or Snow category above indicate a "trace" value was recorded.

"A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Data value inconsistency may be present due to rounding calculations during the conversion process from SI metric units to standard imperial units.

Year	Month	Day	Temperature (F)		Precipitation				Evaporation			Soil Temperature (F)			
			24 Hrs. Ending at Observation Time		At Obs. Time	24 Hour Amounts Ending at Observation Time				24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth		8 in. Depth	
			Max.	Min.		Rain, Melted Snow, Etc. (in)	F	Snow, Ice Pellets, Hail (in)	F			Ground Cover (see *)	Max.	Min.	Max.
1992	01	01			At Obs. Time	0.46									
1992	01	02				0.00									
1992	01	03				0.00									
1992	01	04				0.00									
1992	01	05				0.00									
1992	01	06				0.02									
1992	01	07				0.02									
1992	01	08				0.07									
1992	01	09				0.00									
1992	01	10				0.00									
1992	01	11				0.13									
1992	01	12				0.10									
1992	01	13				0.26									
1992	01	14				0.00									
1992	01	15				0.00									
1992	01	16				0.00									
1992	01	17				0.00									
1992	01	18				1.06									
1992	01	19				0.00									
1992	01	20				0.00									
1992	01	21				0.00									
1992	01	22				0.57									
1992	01	23				0.00									
1992	01	24				0.00									
1992	01	25				0.00									
1992	01	26				0.06									
1992	01	27				0.53									
1992	01	28				0.05									
1992	01	29				0.00									
1992	01	30				0.00									
1992	01	31				0.00									
Summary						3.33									

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Straw mulch; 6=Brome grass; 7=Grass mulch; 8=Bare muck; 0=Unknown

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Data value inconsistency may be present due to rounding calculations during the conversion process from SI metric units to standard imperial units.

Y e a r	M o n t h	D a y	Temperature (F)		Precipitation				Evaporation		Soil Temperature (F)							
			24 Hrs. Ending at Observation Time		24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth		8 in. Depth				
			Max.	Min.	Rain, Melted Snow, Etc. (in)	F l o o d i n g	Snow, Ice Pellets, Hail (in)	F l o o d i n g				Snow, Ice Pellets, Hail, Ice on Ground (in)	Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
1992	02	01				0.00	0.0	0.0										
1992	02	02				0.00	0.0	0.0										
1992	02	03				0.00	0.0	0.0										
1992	02	04				0.00	0.0	0.0										
1992	02	05				0.00	0.0	0.0										
1992	02	06				0.00	0.0	0.0										
1992	02	07				0.00	0.0	0.0										
1992	02	08				0.00	0.0	0.0										
1992	02	09				0.00	0.0	0.0										
1992	02	10				0.00	0.0	0.0										
1992	02	11				0.13	0.0	0.0										
1992	02	12				0.22	0.0	0.0										
1992	02	13				0.00	0.0	0.0										
1992	02	14				0.00	0.0	0.0										
1992	02	15				0.00	0.0	0.0										
1992	02	16				0.00	0.0	0.0										
1992	02	17				0.00	0.0	0.0										
1992	02	18				0.00	0.0	0.0										
1992	02	19				0.00	0.0	0.0										
1992	02	20				0.00	0.0	0.0										
1992	02	21				0.00	0.0	0.0										
1992	02	22				0.73	0.0	0.0										
1992	02	23				0.28	0.0	0.0										
1992	02	24				0.00	0.0	0.0										
1992	02	25				0.88	0.0	0.0										
1992	02	26				0.00	0.0	0.0										
1992	02	27				0.00	0.0	0.0										
1992	02	28				0.00	0.0	0.0										
1992	02	29				0.00	0.0	0.0										
Summary						2.24	0.0	0.0										

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass mulch; 8=Bare muck; 0=Unknown

"s" This data value failed one of NCDC's quality control tests.

"T" values in the Precipitation or Snow category above indicate a "trace" value was recorded.

"A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Data value inconsistency may be present due to rounding calculations during the conversion process from SI metric units to standard Imperial units.

Year	Month	Day	Temperature (F)		At Observation	Precipitation				Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time			24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth		8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Fall	Snow, Ice Pellets, Hail (in)	Fall				Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.
1992	04	01				0.00		0.0		0.0							
1992	04	02				0.00		0.0		0.0							
1992	04	03				0.00		0.0		0.0							
1992	04	04				0.00		0.0		0.0							
1992	04	05				0.00		0.0		0.0							
1992	04	06				0.67		0.0		0.0							
1992	04	07				0.00		0.0		0.0							
1992	04	08				0.00		0.0		0.0							
1992	04	09				0.00		0.0		0.0							
1992	04	10				0.00		0.0		0.0							
1992	04	11				0.00		0.0		0.0							
1992	04	12				0.38		0.0		0.0							
1992	04	13				0.00		0.0		0.0							
1992	04	14				0.00		0.0		0.0							
1992	04	15				0.00		0.0		0.0							
1992	04	16				0.00		0.0		0.0							
1992	04	17				0.00		0.0		0.0							
1992	04	18				0.06		0.0		0.0							
1992	04	19				0.42		0.0		0.0							
1992	04	20				0.00		0.0		0.0							
1992	04	21				0.29		0.0		0.0							
1992	04	22				0.00		0.0		0.0							
1992	04	23				0.00		0.0		0.0							
1992	04	24				0.00		0.0		0.0							
1992	04	25				0.00		0.0		0.0							
1992	04	26				0.00		0.0		0.0							
1992	04	27				0.00		0.0		0.0							
1992	04	28				0.00		0.0		0.0							
1992	04	29				0.46		0.0		0.0							
1992	04	30				0.00		0.0		0.0							
Summary						2.28		0.0									

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass mulch; 8=Bare muck; 0=Unknown

"s" This data value failed one of NCDC's quality control tests.

"T" values in the Precipitation or Snow category above indicate a "trace" value was recorded.

"A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Data value inconsistency may be present due to rounding calculations during the conversion process from SI metric units to standard imperial units.

Year	Month	Day	Temperature (F)		At Observation	Precipitation				Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time			Rain, Melted Snow, Etc. (in)	F I a g	Snow, Ice Pellets, Hail (in)	F I a g	Snow, Ice Pellets, Hail, Ice on Ground (in)	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth		8 in. Depth		
			Max.	Min.									Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.
1992	05	01				0.00		0.0									
1992	05	02				0.00		0.0									
1992	05	03				0.03		0.0									
1992	05	04				0.00		0.0									
1992	05	05				0.00		0.0									
1992	05	06				0.00		0.0									
1992	05	07				0.00		0.0									
1992	05	08				0.00		0.0									
1992	05	09				0.00		0.0									
1992	05	10				0.00		0.0									
1992	05	11				0.00		0.0									
1992	05	12				1.62		0.0									
1992	05	13				0.00		0.0									
1992	05	14				0.00		0.0									
1992	05	15				0.00		0.0									
1992	05	16				0.09		0.0									
1992	05	17				0.55		0.0									
1992	05	18				2.63		0.0									
1992	05	19				0.09		0.0									
1992	05	20				0.21		0.0									
1992	05	21				0.00		0.0									
1992	05	22				0.00		0.0									
1992	05	23				2.94		0.0									
1992	05	24				0.00		0.0									
1992	05	25				0.22		0.0									
1992	05	26				0.00		0.0									
1992	05	27				0.00		0.0									
1992	05	28				0.49		0.0									
1992	05	29				0.00		0.0									
1992	05	30				0.00		0.0									
1992	05	31				0.35		0.0									
Summary						9.22		0.0									

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass mulch; 8=Bare muck; 0=Unknown

"s" This data value failed one of NCDC's quality control tests.

"T" values in the Precipitation or Snow category above indicate a "trace" value was recorded.

"A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Data value inconsistency may be present due to rounding calculations during the conversion process from SI metric units to standard imperial units.

Exhibit G

Year	Month	Day	Temperature (F)		At Observation	Precipitation				Evaporation		Soil Temperature (F)				
			24 Hrs. Ending at Observation Time			24 Hour Amounts Ending at Observation Time				24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth		8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Fog	Snow, Ice Pellets, Hail (in)	Fog			Snow, Ice Pellets, Hail, Ice on Ground (in)	Ground Cover (see *)	Max.	Ground Cover (see *)	Min.
1990	01	01				0.00		0.0								
1990	01	02				0.00		0.0								
1990	01	03				0.43		0.0								
1990	01	04				0.00		0.0								
1990	01	05				0.06		0.0								
1990	01	06				0.03		0.0								
1990	01	07				0.00		0.0								
1990	01	08				0.00		0.0								
1990	01	09				0.00		0.0								
1990	01	10				0.00		0.0								
1990	01	11				0.15		0.0								
1990	01	12				0.00		0.0								
1990	01	13				0.00		0.0								
1990	01	14				0.00		0.0								
1990	01	15				0.00		0.0								
1990	01	16				0.00		0.0								
1990	01	17				0.94		0.0								
1990	01	18				0.57		0.0								
1990	01	19				4.61		0.0								
1990	01	20				0.00		0.0								
1990	01	21				0.00		0.0								
1990	01	22				0.00		0.0								
1990	01	23				0.00		0.0								
1990	01	24				0.00		0.0								
1990	01	25				0.00		0.0								
1990	01	26				0.00		0.0								
1990	01	27				0.00		0.0								
1990	01	28				0.12		0.0								
1990	01	29				0.00		0.0								
1990	01	30				0.00		0.0								
1990	01	31				0.62		0.0								
Summary						7.53		0.0								

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

"s" This data value failed one of NCDC's quality control tests.

"T" values in the Precipitation or Snow category above indicate a "trace" value was recorded.

"A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Data value inconsistency may be present due to rounding calculations during the conversion process from SI metric units to standard imperial units.

Year	Month	Day	Temperature (F)		Precipitation				Evaporation			Soil Temperature (F)			
			24 Hrs. Ending at Observation Time		At Observation	24 Hour Amounts Ending at Observation Time			At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 In. Depth		8 in. Depth	
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Falling	Snow, Ice Pellets, Hail (in)	Falling			Ground Cover (see *)	Max.	Ground Cover (see *)	Min.
1990	03	01				0.00									
1990	03	02				0.00									
1990	03	03				0.00									
1990	03	04				0.00									
1990	03	05				0.02									
1990	03	06				0.14									
1990	03	07				0.85									
1990	03	08				0.04									
1990	03	09				0.00									
1990	03	10				0.00									
1990	03	11				0.87									
1990	03	12				0.00									
1990	03	13				0.00									
1990	03	14				2.44									
1990	03	15				0.00									
1990	03	16				0.00									
1990	03	17				0.00									
1990	03	18				0.00									
1990	03	19				0.00									
1990	03	20				0.00									
1990	03	21				0.00									
1990	03	22				0.00									
1990	03	23				0.00									
1990	03	24				0.00									
1990	03	25				0.42									
1990	03	26				0.51									
1990	03	27				0.16									
1990	03	28				1.14									
1990	03	29				0.36									
1990	03	30				0.00									
1990	03	31				0.00									
		Summary				6.95									

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass mulch; 8=Bare muck; 0=Unknown

"s" This data value failed one of NCDC's quality control tests.

"T" values in the Precipitation or Snow category above indicate a "trace" value was recorded.

"A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Data value inconsistency may be present due to rounding calculations during the conversion process from SI metric units to standard imperial units.

Year	Month	Day	Temperature (F)		Precipitation				Evaporation			Soil Temperature (F)			
			24 Hrs. Ending at Observation Time		At Observation	24 Hour Amounts Ending at Observation Time			At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth		8 in. Depth	
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Fall	Snow, Ice Pellets, Hail (in)	Fall			Ground Cover (see *)	Max.	Min.	Max.
1990	04	01				0.00		0.0							
1990	04	02				0.00		0.0							
1990	04	03				0.00		0.0							
1990	04	04				0.00		0.0							
1990	04	05				0.00		0.0							
1990	04	06				1.66		0.0							
1990	04	07				0.00		0.0							
1990	04	08				0.00		0.0							
1990	04	09				0.00		0.0							
1990	04	10				0.66		0.0							
1990	04	11				0.00		0.0							
1990	04	12				0.00		0.0							
1990	04	13				0.08		0.0							
1990	04	14				0.86		0.0							
1990	04	15				0.00		0.0							
1990	04	16				0.00		0.0							
1990	04	17				0.02		0.0							
1990	04	18				0.66		0.0							
1990	04	19				0.23		0.0							
1990	04	20				0.61		0.0							
1990	04	21				0.00		0.0							
1990	04	22				0.00		0.0							
1990	04	23				0.00		0.0							
1990	04	24				0.00		0.0							
1990	04	25				0.00		0.0							
1990	04	26				1.24		0.0							
1990	04	27				0.00		0.0							
1990	04	28				0.00		0.0							
1990	04	29				0.00		0.0							
1990	04	30				0.00		0.0							
		Summary				6.02		0.0							

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

"s" This data value failed one of NCDC's quality control tests.

"T" values in the Precipitation or Snow category above indicate a "trace" value was recorded.

"A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Data value inconsistency may be present due to rounding calculations during the conversion process from SI metric units to standard imperial units.

Observation Time Temperature: Unknown Observation Time Precipitation: 0700

Y e a r	M o n t h	D a y	Temperature (F)		At O b s e r v a t i o n	Precipitation				Evaporation		Soil Temperature (F)						
			24 Hrs. Ending at Observation Time			24 Hour Amounts Ending at Observation Time			24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth		8 in. Depth					
			Max.	Min.		Rain, Melted Snow, Etc. (in)	F l o o d g	Snow, Ice Pellets, Hail (in)			F l o o d g	Snow, Ice Pellets, Hail, Ice on Ground (in)	Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
1990	08	01				0.18		0.0										
1990	08	02				0.00		0.0										
1990	08	03				0.01		0.0										
1990	08	04				1.15		0.0										
1990	08	05				0.00		0.0										
1990	08	06				0.00		0.0										
1990	08	07				0.00		0.0										
1990	08	08				0.00		0.0										
1990	08	09				0.00		0.0										
1990	08	10				0.00		0.0										
1990	08	11				0.00		0.0										
1990	08	12				0.00		0.0										
1990	08	13				0.00		0.0										
1990	08	14				0.00		0.0										
1990	08	15				0.00		0.0										
1990	08	16				0.00		0.0										
1990	08	17				0.00		0.0										
1990	08	18				0.00		0.0										
1990	08	19				0.00		0.0										
1990	08	20				0.00		0.0										
1990	08	21				0.03		0.0										
1990	08	22				0.00		0.0										
1990	08	23				0.00		0.0										
1990	08	24				0.00		0.0										
1990	08	25				0.00		0.0										
1990	08	26				0.00		0.0										
1990	08	27				0.00		0.0										
1990	08	28				0.00		0.0										
1990	08	29				0.00		0.0										
1990	08	30				0.00		0.0										
1990	08	31				0.00		0.0										
Summary						1.37		0.0										

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass mulch; 8=Bare muck; 0=Unknown

"s" This data value failed one of NCDC's quality control tests.

"T" values in the Precipitation or Snow category above indicate a "trace" value was recorded.

"A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Data value inconsistency may be present due to rounding calculations during the conversion process from SI metric units to standard imperial units.

Year	Month	Day	Temperature (F)		Precipitation				Evaporation		Soil Temperature (F)						
			24 Hrs. Ending at Observation Time		24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth		8 in. Depth			
			Max.	Min.	Rain, Melted Snow, Etc. (in)	F I a g	Snow, Ice Pellets, Hail (in)	F I a g				Snow, Ice Pellets, Hail, Ice on Ground (in)	Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.
1990	09	01			0.00		0.0		0.0								
1990	09	02			0.00		0.0		0.0								
1990	09	03			0.00		0.0		0.0								
1990	09	04			0.00		0.0		0.0								
1990	09	05			0.00		0.0		0.0								
1990	09	06			0.00		0.0		0.0								
1990	09	07			0.00		0.0		0.0								
1990	09	08			0.95		0.0		0.0								
1990	09	09			0.00		0.0		0.0								
1990	09	10			0.18		0.0		0.0								
1990	09	11			0.70		0.0		0.0								
1990	09	12			0.00		0.0		0.0								
1990	09	13			0.01		0.0		0.0								
1990	09	14			0.00		0.0		0.0								
1990	09	15			0.00		0.0		0.0								
1990	09	16			0.00		0.0		0.0								
1990	09	17			0.50		0.0		0.0								
1990	09	18			0.17		0.0		0.0								
1990	09	19			0.19		0.0		0.0								
1990	09	20			0.00		0.0		0.0								
1990	09	21			0.06		0.0		0.0								
1990	09	22			0.00		0.0		0.0								
1990	09	23			0.00		0.0		0.0								
1990	09	24			0.00		0.0		0.0								
1990	09	25			0.00		0.0		0.0								
1990	09	26			0.00		0.0		0.0								
1990	09	27			0.00		0.0		0.0								
1990	09	28			0.00		0.0		0.0								
1990	09	29			0.00		0.0		0.0								
1990	09	30			0.00		0.0		0.0								
Summary					2.76		0.0										

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

"s" This data value failed one of NCDC's quality control tests.

"T" values in the Precipitation or Snow category above indicate a "trace" value was recorded.

"A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Data value inconsistency may be present due to rounding calculations during the conversion process from SI metric units to standard imperial units.

Exhibit H

Year	Month	Day	Temperature (F)		At Observation	Precipitation				Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time			24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth		8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Fall	Snow, Ice Pellets, Hail (in)	Fall				Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.
1991	05	01				0.00		0.0		0.0							
1991	05	02				0.00		0.0		0.0							
1991	05	03				0.95		0.0		0.0							
1991	05	04				0.00		0.0		0.0							
1991	05	05				0.17		0.0		0.0							
1991	05	06				0.00		0.0		0.0							
1991	05	07				0.01		0.0		0.0							
1991	05	08				0.17		0.0		0.0							
1991	05	09				0.14		0.0		0.0							
1991	05	10				0.00		0.0		0.0							
1991	05	11				0.00		0.0		0.0							
1991	05	12				0.00		0.0		0.0							
1991	05	13				0.00		0.0		0.0							
1991	05	14				0.18		0.0		0.0							
1991	05	15				0.13		0.0		0.0							
1991	05	16				0.00		0.0		0.0							
1991	05	17				0.00		0.0		0.0							
1991	05	18				0.05		0.0		0.0							
1991	05	19				0.06		0.0		0.0							
1991	05	20				1.00		0.0		0.0							
1991	05	21				0.00		0.0		0.0							
1991	05	22				0.21		0.0		0.0							
1991	05	23				0.00		0.0		0.0							
1991	05	24				0.00		0.0		0.0							
1991	05	25				0.60		0.0		0.0							
1991	05	26				0.00		0.0		0.0							
1991	05	27				0.00		0.0		0.0							
1991	05	28				0.00		0.0		0.0							
1991	05	29				0.00		0.0		0.0							
1991	05	30				0.00		0.0		0.0							
1991	05	31				0.00		0.0		0.0							
Summary						3.67		0.0									

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass mulch; 8=Bare muck; 0=Unknown

"s" This data value failed one of NCDC's quality control tests.

"T" values in the Precipitation or Snow category above indicate a "trace" value was recorded.

"A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Data value inconsistency may be present due to rounding calculations during the conversion process from SI metric units to standard imperial units.

Year	Month	Day	Temperature (F)		At Observation	Precipitation				Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time			24 Hour Amounts Ending at Observation Time				24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth		8 in. Depth			
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Fall	Snow, Ice Pellets, Hail (in)	Fall			Snow, Ice Pellets, Hail, Ice on Ground (in)	Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.
1991	06	01				0.00		0.0									
1991	06	02				0.00		0.0									
1991	06	03				0.19		0.0									
1991	06	04				0.00		0.0									
1991	06	05				0.60		0.0									
1991	06	06				0.00		0.0									
1991	06	07				0.00		0.0									
1991	06	08				0.98		0.0									
1991	06	09				0.00		0.0									
1991	06	10				0.00		0.0									
1991	06	11				0.20		0.0									
1991	06	12				0.03		0.0									
1991	06	13				0.00		0.0									
1991	06	14				0.00		0.0									
1991	06	15				0.05		0.0									
1991	06	16				0.37		0.0									
1991	06	17				0.00		0.0									
1991	06	18				0.00		0.0									
1991	06	19				0.10		0.0									
1991	06	20				0.00		0.0									
1991	06	21				0.00		0.0									
1991	06	22				0.00		0.0									
1991	06	23				1.81		0.0									
1991	06	24				0.00		0.0									
1991	06	25				0.00		0.0									
1991	06	26				0.00		0.0									
1991	06	27				0.00		0.0									
1991	06	28				0.00		0.0									
1991	06	29				0.00		0.0									
1991	06	30				0.00		0.0									
Summary						4.33		0.0									

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass mulch; 8=Bare muck; 0=Unknown

"s" This data value failed one of NCDC's quality control tests.

"T" values in the Precipitation or Snow category above indicate a "trace" value was recorded.

"A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Data value inconsistency may be present due to rounding calculations during the conversion process from SI metric units to standard imperial units.

Year	Month	Day	Temperature (F)		Precipitation				Evaporation		Soil Temperature (F)						
			24 Hrs. Ending at Observation Time		24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth		8 in. Depth			
			Max.	Min.	Rain, Melted Snow, Etc. (in)	Fall	Snow, Ice Pellets, Hail (in)	Fall				Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
1991	07	01				0.00		0.0									
1991	07	02				0.00		0.0									
1991	07	03				0.00		0.0									
1991	07	04				0.00		0.0									
1991	07	05				0.00		0.0									
1991	07	06				0.00		0.0									
1991	07	07				0.00		0.0									
1991	07	08				0.00		0.0									
1991	07	09				0.00		0.0									
1991	07	10				0.00		0.0									
1991	07	11				0.00		0.0									
1991	07	12				0.00		0.0									
1991	07	13				0.00		0.0									
1991	07	14				0.00		0.0									
1991	07	15				0.00		0.0									
1991	07	16				0.00		0.0									
1991	07	17				0.00		0.0									
1991	07	18				0.00		0.0									
1991	07	19				0.00		0.0									
1991	07	20				0.00		0.0									
1991	07	21				0.00		0.0									
1991	07	22				0.00		0.0									
1991	07	23				0.00		0.0									
1991	07	24				0.00		0.0									
1991	07	25				0.16		0.0									
1991	07	26				0.93		0.0									
1991	07	27				0.02		0.0									
1991	07	28				2.20		0.0									
1991	07	29				0.00		0.0									
1991	07	30				0.00		0.0									
1991	07	31				0.00		0.0									
Summary						3.31		0.0									

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass mulch; 8=Bare muck; 0=Unknown

"s" This data value failed one of NCDC's quality control tests.

"T" values in the Precipitation or Snow category above indicate a "trace" value was recorded.

"A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Data value inconsistency may be present due to rounding calculations during the conversion process from SI metric units to standard imperial units.

Y e a r	M o n t h	D a y	Temperature (F)		At O b s e r v a t i o n	Precipitation				Evaporation		Soil Temperature (F)						
			24 Hrs. Ending at Observation Time			24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth		8 in. Depth			
			Max.	Min.		Rain, Melted Snow, Etc. (in)	F l o o d	Snow, Ice Pellets, Hail (in)	F l o o d				Snow, Ice Pellets, Hail, Ice on Ground (in)	Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.
1991	08	01				0.00		0.0		0.0								
1991	08	02				0.00		0.0		0.0								
1991	08	03				0.00		0.0		0.0								
1991	08	04				0.00		0.0		0.0								
1991	08	05				0.00		0.0		0.0								
1991	08	06				0.00		0.0		0.0								
1991	08	07				0.08		0.0		0.0								
1991	08	08				0.00		0.0		0.0								
1991	08	09				0.17		0.0		0.0								
1991	08	10				0.00		0.0		0.0								
1991	08	11				0.00		0.0		0.0								
1991	08	12				3.07		0.0		0.0								
1991	08	13				0.14		0.0		0.0								
1991	08	14				0.63		0.0		0.0								
1991	08	15				0.00		0.0		0.0								
1991	08	16				0.00		0.0		0.0								
1991	08	17				0.00		0.0		0.0								
1991	08	18				0.00		0.0		0.0								
1991	08	19				0.00		0.0		0.0								
1991	08	20				0.00		0.0		0.0								
1991	08	21				0.40		0.0		0.0								
1991	08	22				0.00		0.0		0.0								
1991	08	23				0.00		0.0		0.0								
1991	08	24				0.00		0.0		0.0								
1991	08	25				0.00		0.0		0.0								
1991	08	26				0.00		0.0		0.0								
1991	08	27				0.00		0.0		0.0								
1991	08	28				0.00		0.0		0.0								
1991	08	29				0.30		0.0		0.0								
1991	08	30				0.33		0.0		0.0								
1991	08	31				0.01		0.0		0.0								
Summary						5.13		0.0		0.0								

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass mulch; 8=Bare muck; 0=Unknown

"s" This data value failed one of NCDC's quality control tests.

"T" values in the Precipitation or Snow category above indicate a "trace" value was recorded.

"A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total. accumulated since last measurement, is being used.

Data value inconsistency may be present due to rounding calculations during the conversion process from SI metric units to standard Imperial units.

Year	Month	Day	Temperature (F)		Precipitation				Evaporation		Soil Temperature (F)						
			24 Hrs. Ending at Observation Time		At Observation	24 Hour Amounts Ending at Observation Time			24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth		8 in. Depth				
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Fall	Snow, Ice Pellets, Hail (in)			Fall	Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
1991	09	01				0.30		0.0		0.0							
1991	09	02				0.87		0.0		0.0							
1991	09	03				0.00		0.0		0.0							
1991	09	04				0.14		0.0		0.0							
1991	09	05				0.00		0.0		0.0							
1991	09	06				0.00		0.0		0.0							
1991	09	07				0.17		0.0		0.0							
1991	09	08				0.00		0.0		0.0							
1991	09	09				0.00		0.0		0.0							
1991	09	10				0.34		0.0		0.0							
1991	09	11				0.00		0.0		0.0							
1991	09	12				0.00		0.0		0.0							
1991	09	13				0.00		0.0		0.0							
1991	09	14				0.00		0.0		0.0							
1991	09	15				0.03		0.0		0.0							
1991	09	16				0.00		0.0		0.0							
1991	09	17				0.00		0.0		0.0							
1991	09	18				0.00		0.0		0.0							
1991	09	19				0.12		0.0		0.0							
1991	09	20				0.00		0.0		0.0							
1991	09	21				0.00		0.0		0.0							
1991	09	22				0.00		0.0		0.0							
1991	09	23				0.00		0.0		0.0							
1991	09	24				0.48		0.0		0.0							
1991	09	25				0.00		0.0		0.0							
1991	09	26				0.00		0.0		0.0							
1991	09	27				0.00		0.0		0.0							
1991	09	28				0.00		0.0		0.0							
1991	09	29				0.00		0.0		0.0							
1991	09	30				0.00		0.0		0.0							
Summary						2.45		0.0		0.0							

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass mulch; 8=Bare muck; 0=Unknown

"s" This data value failed one of NCDC's quality control tests.

"T" values in the Precipitation or Snow category above indicate a "trace" value was recorded.

"A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Data value inconsistency may be present due to rounding calculations during the conversion process from SI metric units to standard imperial units.

Year	Month	Day	Temperature (F)		Precipitation				Evaporation		Soil Temperature (F)			
			24 Hrs. Ending at Observation Time		At Obs. Time	24 Hour Amounts Ending at Observation Time			24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth		8 in. Depth	
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Fall	Snow, Ice Pellets, Hail (in)	Fall	Snow, Ice Pellets, Hail, Ice on Ground (in)	Ground Cover (see *)	Max.	Ground Cover (see *)	Max. Min.
1991	10	01				0.00		0.0		0.0				
1991	10	02				0.00		0.0		0.0				
1991	10	03				0.00		0.0		0.0				
1991	10	04				0.24		0.0		0.0				
1991	10	05				0.15		0.0		0.0				
1991	10	06				0.00		0.0		0.0				
1991	10	07				0.00		0.0		0.0				
1991	10	08				0.00		0.0		0.0				
1991	10	09				0.00		0.0		0.0				
1991	10	10				0.00		0.0		0.0				
1991	10	11				0.00		0.0		0.0				
1991	10	12				0.00		0.0		0.0				
1991	10	13				0.00		0.0		0.0				
1991	10	14				0.00		0.0		0.0				
1991	10	15				0.00		0.0		0.0				
1991	10	16				0.00		0.0		0.0				
1991	10	17				0.00		0.0		0.0				
1991	10	18				0.00		0.0		0.0				
1991	10	19				0.00		0.0		0.0				
1991	10	20				0.00		0.0		0.0				
1991	10	21				0.00		0.0		0.0				
1991	10	22				0.00		0.0		0.0				
1991	10	23				0.00		0.0		0.0				
1991	10	24				0.00		0.0		0.0				
1991	10	25				0.65		0.0		0.0				
1991	10	26				2.13		0.0		0.0				
1991	10	27				1.33		0.0		0.0				
1991	10	28				2.77		0.0		0.0				
1991	10	29				2.05		0.0		0.0				
1991	10	30				0.11		0.0		0.0				
1991	10	31				1.04		0.0		0.0				
Summary						10.47		0.0		0.0				

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

"s" This data value failed one of NCDC's quality control tests.

"T" values in the Precipitation or Snow category above indicate a "trace" value was recorded.

"A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Data value inconsistency may be present due to rounding calculations during the conversion process from SI metric units to standard imperial units.

Year	Month	Day	Temperature (F)		At Observation	Precipitation				Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time			Rain, Melted Snow, Etc. (in)	24 Hour Amounts Ending at Observation Time			At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth		8 in. Depth		
			Max.	Min.			Fall	Snow, Ice Pellets, Hail (in)	Fall				Ground Cover (see *)	Max.	Ground Cover (see *)	Min.	Max.
1991	11	01				0.00		0.0		0.0							
1991	11	02				0.00		0.0		0.0							
1991	11	03				0.00		0.0		0.0							
1991	11	04				0.00		0.0		0.0							
1991	11	05				0.00		0.0		0.0							
1991	11	06				0.00		0.0		0.0							
1991	11	07				0.00		0.0		0.0							
1991	11	08				0.00		0.0		0.0							
1991	11	09				0.00		0.0		0.0							
1991	11	10				0.00		0.0		0.0							
1991	11	11				0.00		0.0		0.0							
1991	11	12				0.00		0.0		0.0							
1991	11	13				0.00		0.0		0.0							
1991	11	14				0.00		0.0		0.0							
1991	11	15				0.23		0.0		0.0							
1991	11	16				0.43		0.0		0.0							
1991	11	17				1.35		0.0		0.0							
1991	11	18				0.00		0.0		0.0							
1991	11	19				0.18		0.0		0.0							
1991	11	20				0.00		0.0		0.0							
1991	11	21				0.00		0.0		0.0							
1991	11	22				0.00		0.0		0.0							
1991	11	23				0.00		0.0		0.0							
1991	11	24				0.00		0.0		0.0							
1991	11	25				0.00		0.0		0.0							
1991	11	26				0.02		0.0		0.0							
1991	11	27				0.00		0.0		0.0							
1991	11	28				0.00		0.0		0.0							
1991	11	29				0.00		0.0		0.0							
1991	11	30				0.24		0.0		0.0							
Summary						2.45		0.0									

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass mulch; 8=Bare muck; 0=Unknown

"s" This data value failed one of NCDC's quality control tests.

"T" values in the Precipitation or Snow category above indicate a "trace" value was recorded.

"A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Data value inconsistency may be present due to rounding calculations during the conversion process from SI metric units to standard imperial units.

Exhibit I

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Exhibit J

Year	Month	Day	Temperature (F)		At Obs. or Average t i o n	Precipitation				Evaporation		Soil Temperature (F)						
			24 Hrs. Ending at Observation Time			24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth		8 in. Depth			
			Max.	Min.		Rain, Melted Snow, Etc. (in)	F i a g	Snow, Ice Pellets, Hail (in)	F i a g				Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2001	08	01				0.00		0.0		0.0								
2001	08	02				0.00		0.0		0.0								
2001	08	03				0.00		0.0		0.0								
2001	08	04				0.00		0.0		0.0								
2001	08	05				0.00		0.0		0.0								
2001	08	06				0.19		0.0		0.0								
2001	08	07				0.00		0.0		0.0								
2001	08	08				0.00		0.0		0.0								
2001	08	09				0.00		0.0		0.0								
2001	08	10				0.19		0.0		0.0								
2001	08	11				0.00		0.0		0.0								
2001	08	12				0.00		0.0		0.0								
2001	08	13				0.00		0.0		0.0								
2001	08	14				0.00		0.0		0.0								
2001	08	15				0.00		0.0		0.0								
2001	08	16				0.08		0.0		0.0								
2001	08	17				0.19		0.0		0.0								
2001	08	18				0.00		0.0		0.0								
2001	08	19				0.00		0.0		0.0								
2001	08	20				0.00		0.0		0.0								
2001	08	21				0.00		0.0		0.0								
2001	08	22				0.00		0.0		0.0								
2001	08	23				0.00		0.0		0.0								
2001	08	24				0.00		0.0		0.0								
2001	08	25				0.00		0.0		0.0								
2001	08	26				1.20		0.0		0.0								
2001	08	27				0.00		0.0		0.0								
2001	08	28				0.00		0.0		0.0								
2001	08	29				0.00		0.0		0.0								
2001	08	30				0.13		0.0		0.0								
2001	08	31				4.75		0.0		0.0								
Summary						6.73		0.0		0.0								

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

"s" This data value failed one of NCDC's quality control tests.

"T" values in the Precipitation or Snow category above indicate a "trace" value was recorded.

"A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Data value inconsistency may be present due to rounding calculations during the conversion process from SI metric units to standard imperial units.

Year	Month	Day	Temperature (F)		Precipitation				Evaporation		Soil Temperature (F)							
			24 Hrs. Ending at Observation Time		24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth		8 in. Depth				
			Max.	Min.	Rain, Melted Snow, Etc. (in)	Fall	Snow, Ice Pellets, Hail (in)	Fall				Snow, Ice Pellets, Hail, Ice on Ground (in)	Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2002	03	01					0.00				0.0							
2002	03	02					0.00				0.0							
2002	03	03					0.00				0.0							
2002	03	04					0.00				0.0							
2002	03	05					0.00				0.0							
2002	03	06					0.00				0.0							
2002	03	07					0.00				0.0							
2002	03	08					0.00				0.0							
2002	03	09					0.79				0.0							
2002	03	10					0.00				0.0							
2002	03	11					0.30				0.0							
2002	03	12					0.00				0.0							
2002	03	13					0.00				0.0							
2002	03	14					0.00				0.0							
2002	03	15					0.10				0.0							
2002	03	16					0.00				0.0							
2002	03	17					0.00				0.0							
2002	03	18					0.58				0.0							
2002	03	19					5.46				0.0							
2002	03	20					1.18				0.0							
2002	03	21					0.00				0.0							
2002	03	22					0.00				0.0							
2002	03	23					0.00				0.0							
2002	03	24					0.00				0.0							
2002	03	25					0.00				0.0							
2002	03	26					0.00				0.0							
2002	03	27					0.00				0.0							
2002	03	28					0.00				0.0							
2002	03	29					0.00				0.0							
2002	03	30					1.58				0.0							
2002	03	31					0.31				0.0							
Summary							10.30				0.0							

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass mulch; 8=Bare muck; 0=Unknown

"s" This data value failed one of NCEM's quality control tests.

"T" values in the Precipitation or Snow category above indicate a "trace" value was recorded.

"A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Data value inconsistency may be present due to rounding calculations during the conversion process from SI metric units to standard imperial units.

Exhibit K

Year	Month	Day	Temperature (F)		Precipitation				Evaporation		Soil Temperature (F)						
			24 Hrs. Ending at Observation Time		24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (In)	4 in. Depth		8 in. Depth			
			Max.	Min.	Rain, Melted Snow, Etc. (in)	Fall	Snow, Ice Pellets, Hail (in)	Fall				Ground Cover (see *)	Max.	Ground Cover (see *)	Min.	Max.	
2007	05	01			0.34												
2007	05	02			0.00												
2007	05	03			1.86												
2007	05	04			0.00												
2007	05	05			T												
2007	05	06			0.00												
2007	05	07			0.00												
2007	05	08			0.00												
2007	05	09			0.17												
2007	05	10			0.39												
2007	05	11			0.06												
2007	05	12			0.00												
2007	05	13			0.00												
2007	05	14			0.00												
2007	05	15			0.00												
2007	05	16			0.00												
2007	05	17			0.00												
2007	05	18			0.00												
2007	05	19			0.00												
2007	05	20			0.00												
2007	05	21			T												
2007	05	22			0.69												
2007	05	23			0.00												
2007	05	24			0.00												
2007	05	25			0.57												
2007	05	26			T												
2007	05	27			1.70												
2007	05	28			0.52												
2007	05	29			0.11												
2007	05	30			1.16												
2007	05	31			0.00												
Summary					7.57												

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

"s" This data value failed one of NCDC's quality control tests.

"T" values in the Precipitation or Snow category above indicate a "trace" value was recorded.

"A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Data value inconsistency may be present due to rounding calculations during the conversion process from SI metric units to standard imperial units.

Year	Month	Day	Temperature (F)		At Obs. Time	Precipitation				Evaporation		Soil Temperature (F)						
			24 Hrs. Ending at Observation Time			24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 In. Depth		8 In. Depth			
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Fall	Snow, Ice Pellets, Hail (in)	Fall				Snow, Ice Pellets, Hail, Ice on Ground (in)	Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.
2007	08	01				0.00			0.0									
2007	08	02			T				0.0									
2007	08	03				0.00			0.0									
2007	08	04				0.00			0.0									
2007	08	05				0.00			0.0									
2007	08	06				0.00			0.0									
2007	08	07				0.00			0.0									
2007	08	08				0.00			0.0									
2007	08	09				0.00			0.0									
2007	08	10				0.00			0.0									
2007	08	11				0.00			0.0									
2007	08	12				0.00			0.0									
2007	08	13				0.00			0.0									
2007	08	14				0.00			0.0									
2007	08	15				0.00			0.0									
2007	08	16				0.00			0.0									
2007	08	17				0.73			0.0									
2007	08	18				0.00			0.0									
2007	08	19				0.00			0.0									
2007	08	20				0.00			0.0									
2007	08	21				0.00			0.0									
2007	08	22				0.00			0.0									
2007	08	23				0.00			0.0									
2007	08	24				0.00			0.0									
2007	08	25				0.06			0.0									
2007	08	26				0.00			0.0									
2007	08	27				0.00			0.0									
2007	08	28			T				0.0									
2007	08	29				0.22			0.0									
2007	08	30				0.21			0.0									
2007	08	31				0.00			0.0									
Summary						1.22			0.0									

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

"s" This data value failed one of NCDC's quality control tests.

"T" values in the Precipitation or Snow category above indicate a "trace" value was recorded.

"A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Data value inconsistency may be present due to rounding calculations during the conversion process from SI metric units to standard imperial units.

Exhibit L

Year	Month	Day	Temperature (F)		At Observation	Precipitation				Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time			24 Hour Amounts Ending at Observation Time				24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth		8 in. Depth			
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Fall	Snow, Ice Pellets, Hail (in)	Fall			Snow, Ice Pellets, Hail, Ice on Ground (in)	Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.
1996	11	01				1.01		0.0									
1996	11	02				0.00		0.0									
1996	11	03				0.00		0.0									
1996	11	04				0.00		0.0									
1996	11	05				0.00		0.0									
1996	11	06				0.00		0.0									
1996	11	07				2.70		0.0									
1996	11	08				0.00		0.0									
1996	11	09				0.00		0.0									
1996	11	10				0.00		0.0									
1996	11	11				0.00		0.0									
1996	11	12				0.00		0.0									
1996	11	13				0.00		0.0									
1996	11	14				0.00		0.0									
1996	11	15				0.00		0.0									
1996	11	16				0.02		0.0									
1996	11	17				0.91		0.0									
1996	11	18				0.00		0.0									
1996	11	19				0.02		0.0									
1996	11	20				0.00		0.0									
1996	11	21				0.00		0.0									
1996	11	22				0.00		0.0									
1996	11	23				0.00		0.0									
1996	11	24				3.02		0.0									
1996	11	25				1.04		0.0									
1996	11	26				0.00		0.0									
1996	11	27				0.00		0.0									
1996	11	28				0.00		0.0									
1996	11	29				1.41		0.0									
1996	11	30				0.30		0.0									
Summary							10.43		0.0								

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

"s" This data value failed one of NCDC's quality control tests.

"T" values in the Precipitation or Snow category above indicate a "trace" value was recorded.

"A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Data value inconsistency may be present due to rounding calculations during the conversion process from SI metric units to standard imperial units.

Year	Month	Day	Temperature (F)		Precipitation				Evaporation		Soil Temperature (F)						
			24 Hrs. Ending at Observation Time		24 Hour Amounts Ending at Observation Time				24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth		8 in. Depth				
			Max.	Min.	Rain, Melted Snow, Etc. (in)	Fall	Snow, Ice Pellets, Hail (in)	Fall			At Obs. Time	Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2001	02	01					0.00										
2001	02	02					0.00										
2001	02	03					0.00										
2001	02	04					0.00										
2001	02	05					0.00										
2001	02	06					0.00										
2001	02	07					0.00										
2001	02	08					0.00										
2001	02	09					0.44										
2001	02	10					0.00										
2001	02	11					0.00										
2001	02	12					0.00										
2001	02	13					2.24										
2001	02	14					0.00										
2001	02	15					0.76										
2001	02	16					3.60										
2001	02	17					0.00										
2001	02	18					0.00										
2001	02	19					0.00										
2001	02	20					0.00										
2001	02	21					0.00										
2001	02	22					0.00										
2001	02	23					0.19										
2001	02	24					0.36										
2001	02	25					0.00										
2001	02	26					0.00										
2001	02	27					2.00										
2001	02	28					1.82										
Summary							11.41										

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass mulch; 8=Bare muck; 0=Unknown

"s" This data value failed one of NCDC's quality control tests.

"T" values in the Precipitation or Snow category above indicate a "trace" value was recorded.

"A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Data value inconsistency may be present due to rounding calculations during the conversion process from SI metric units to standard imperial units.

Exhibit M

Year	Month	Day	Temperature (F)		At Observation	Precipitation				Evaporation		Soil Temperature (F)					
			24 Hrs. Ending at Observation Time			24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth		8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	F i a g	Snow, Ice Pellets, Hail (in)	F i a g				Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.
2015	11	01				0.15											
2015	11	02				0.02											
2015	11	03				0.00											
2015	11	04				0.00											
2015	11	05				0.10											
2015	11	06				1.12											
2015	11	07				0.03											
2015	11	08				0.00											
2015	11	09				0.00											
2015	11	10				0.00											
2015	11	11				0.19											
2015	11	12				0.00											
2015	11	13				0.00											
2015	11	14				0.00											
2015	11	15				0.00											
2015	11	16				0.84											
2015	11	17				2.14											
2015	11	18				0.00											
2015	11	19				0.00											
2015	11	20				0.00											
2015	11	21				0.00											
2015	11	22				0.00											
2015	11	23				0.00											
2015	11	24				0.00											
2015	11	25				0.00											
2015	11	26				0.05											
2015	11	27				6.67											
2015	11	28				2.73											
2015	11	29				1.01											
2015	11	30				0.12											
Summary						15.17											
						0.0											

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

"S" This data value failed one of NCDC's quality control tests.

"T" values in the Precipitation or Snow category above indicate a "trace" value was recorded.

"A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Data value inconsistency may be present due to rounding calculations during the conversion process from SI metric units to standard imperial units.

Exhibit N

